

Reference 33

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## Regional Screening Levels (RSLs)

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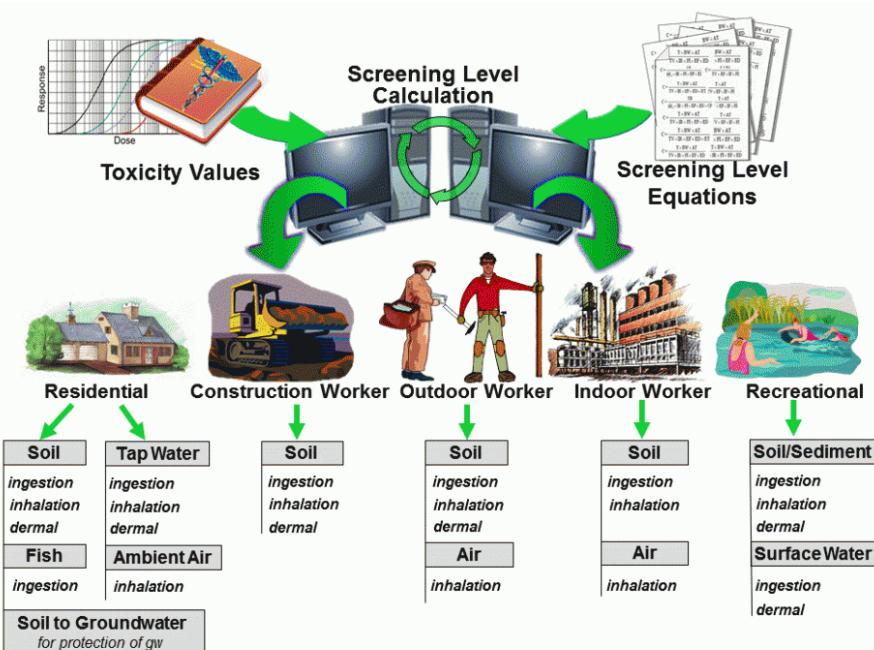
You may need a PDF reader to view some of the files on this page. See EPA's [About PDF](#) page to learn more.

To download the most recent Regional Screening Level tables, please go to the [Generic Tables](#) page. For assistance/questions please use the RSL [Contact Us](#) page.

## Welcome

Welcome to the "Regional Screening Levels for Chemical Contaminants at Superfund Sites" screening level/preliminary remediation goal website. This website was developed with DOE's Oak Ridge National Laboratory (ORNL) under an Interagency Agreement as a merger of the EPA Region 3 RBC Table, Region 6 HHMSSL Table and the Region 9 PRG Table. The RSL website is now the source of screening levels for all the EPA regions. The RSL tables provide comparison values for residential and commercial/industrial exposures to soil, air, and tapwater (drinking water). The unified use of the RSLs, to screen chemicals at Superfund sites, promotes national consistency. Here you will find tables of risk-based screening levels, calculated using the latest toxicity values, default exposure assumptions and physical and chemical properties, and a calculator where default parameters can be changed to reflect site-specific risks. To ensure proper use of the screening level tables and the calculator, please review the [What's New](#), [User's Guide](#), [Frequent Questions](#), and [Download Area](#) links. Below is a general description of screening levels for chemical contaminants. If the calculator is used with non-default inputs in a decision on a Superfund site, it is recommended that the inputs be clearly identified and justified by the user.

## Introduction



### Screening Level Calculation Chart

Superfund sites are addressed under the authority of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, which was amended by the 1986 Superfund Amendments and Reauthorization Act. The purpose of this website is to provide a screening level calculation tool to assist risk assessors, remedial project managers, and others involved with risk assessment and decision-making at CERCLA sites in developing or refining screening levels.

This tool is based on [Risk Assessment Guidance for Superfund: Volume I, Human Health Evaluation Manual \(Part B, Development of Risk-based Preliminary Remediation Goals\)](#) (RAGs Part B) and [Soil Screening Guidance: User's Guide \(PDF\)](#) (89 pp, 863 K), [Technical Background Document \(PDF\)](#) (447 pp, 4.7 MB) and [Supplemental Guidance \(PDF\)](#) (187 pp, 2.2 MB). RAGs Part B provides guidance on using EPA toxicity values and exposure information to calculate risk-based Screening Levels (SLs). The relationship of Preliminary Remediation Goals (PRGs) to screening levels (SLs) is discussed in more detail in the User's Guide. The Soil Screening Guidance documents expand upon RAGS Part B. Initially used at the scoping phase of a project using readily available information, risk-based screening levels generally are modified based on site-specific data gathered during the RI/FS study. Screening level development and screening should assist staff in streamlining the consideration of remedial alternatives. Chemical-specific SLs are from two general sources: (1) concentrations based on potential Applicable or Relevant and Appropriate Requirements (ARARs) and (2) concentrations based on risk assessment. ARARs include concentration limits set by other environmental regulations, such as Safe Drinking Water Act maximum contaminant levels (MCLs). The second source for SLs, and the focus of this database tool, is risk-based calculations that set concentration limits using carcinogenic or systemic toxicity values under specific exposure conditions.

The recommended approach for developing remediation goals is to identify screening levels at scoping, modify them as needed at the end of the RI or during the FS based on site-specific information from the baseline risk assessment, and ultimately select remediation levels in the ROD.

Screening levels are also used when a potential site is initially investigated to determine if potentially significant levels of contamination are present to warrant further investigation such as an RI/FS.

In order to set chemical-specific SLs in a site-specific context, however, assessors must answer fundamental questions about the site, such as information on the chemicals that are present onsite, the specific contaminated media, land-use assumptions, and the exposure assumptions behind pathways of individual exposure.

Once this web tool is used to retrieve standard screening levels or calculate site-specific screening levels, it is important to clearly demonstrate the equation inputs used in the calculations. Discussion of the assumptions that go into the screening level calculations should be included in the document where the screening levels are presented.

This tool presents standardized risk-based screening levels and variable risk-based screening level calculation equations for chemical contaminants. Screening levels are presented in the default tables for residential soil, outdoor worker soil, residential indoor air, worker indoor air and tap water. In addition, the calculator provides a fish ingestion equation. The risk-based screening levels for chemicals are based on the carcinogenicity and systemic toxicity of the analytes. The standardized or default screening levels used in the tables on this website are based on default exposure parameters and incorporate exposure factors that present RME conditions.

Radionuclides are not addressed on this website. For radionuclide PRGs please go to [EPA's PRGs for Radionuclides](#).

Note: No consideration is given to ecological effects in the values presented in this database tool.

For assistance/questions please use the [Regional Screening Levels \(RSLs\)](#) contact us page. For general risk assessment questions, separate from the RSLs, please use the link below.

LAST UPDATED ON JANUARY 28, 2020

Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2020 (corrected)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Contaminant							Protection of Ground Water SSIs								
Toxicity and Chemical-specific Information															Screening Levels							Protection of Ground Water SSIs								
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub> (ug/m <sup>3</sup> ) <sup>-1</sup>	IUR k <sub>e</sub> (mg/kg-day)	RFD <sub>s</sub> k <sub>e</sub> (mg/m <sup>3</sup> ) <sup>-1</sup>	RC <sub>e</sub> k <sub>e</sub> (mg/m <sup>3</sup> ) <sup>-1</sup>	v <sub>o</sub> I	mutagen	GIABS	ABS <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil key	Industrial Soil key	Resident Air key	Industrial Air key	Tapwater key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)											
										1.2E-03	O	1	0.1	Acephate	30560-19-1	7.6E+01	n	9.8E+02	n	2.4E+01	n	5.3E-03	n							
										2.2E-06	I	9.0E-03	I	V	1	1.1E+05	75-07-0	1.1E+01	c**	4.9E+01	c**	5.2E-04	c**							
										2.0E-02	I	1	0.1	Acetaldehyde	34256-82-1	1.3E+03	n	1.6E+04	n	2.6E+00	c**	2.8E-01	n							
										9.0E-01	I	3.1E+01	A	V	1	1.1E+05	67-64-1	6.1E+04	n	6.7E+05	nms	5.8E-01	n							
										2.0E-03	X	1	0.1	Acetone Cyanhydrin	75-86-5	2.8E+06	nm	1.2E+07	nm	2.1E+00	n	7.5E-05	c							
										6.0E-02	I	V	1	1.3E+05	75-05-8	8.1E+02	n	3.4E+03	n	6.3E+01	2.6E+02	8.4E-06	n							
										1.0E-01	I	V	1	2.5E+03	Acetophenone	98-86-2	7.8E+03	n	1.2E+05	nms	1.9E+03	n								
										3.8E+00	C	1.3E-03	C	1	0.1	Acetylaminofluorene, 2-	53-96-3	1.4E-01	c	6.0E-01	c	9.4E-03	c	1.1E-05	c					
										5.0E-04	I	2.0E-05	I	V	1	2.3E+04	107-02-8	1.4E-01	n	6.0E-01	2.1E+02	8.8E-02	n							
										5.0E-01	I	1.0E-04	I	V	1	0.1	Acrylamide	79-06-1	2.4E-01	c	4.6E+00	c	1.0E-02	c	1.1E-05	c				
										5.0E-01	I	1.0E-03	I	V	1	1.1E+05	79-10-7	9.9E+01	c	4.2E+02	n	4.4E+00	n	4.2E-04	n					
										5.4E-01	I	6.8E-05	I	V	1	1.1E+04	54-13-1	2.5E-01	c*	1.1E+00	c*	4.1E+02	c*	1.1E-05	c*					
										6.0E-03	P	1	0.1	Acrylonitrile	116-69-3	8.5E+06	nm	3.6E+07	nm	6.3E+00	n	2.6E+01	n							
										5.6E-02	C	1.0E-02	I	V	1	0.1	Adiponitrile	15972-60-8	9.7E+00	c*	4.1E+01	c	1.1E+00	c	2.0E+00	8.7E-04	c	1.6E-03		
										1.0E-03	I	1	0.1	Aldicarb	116-06-3	6.3E+01	n	8.2E+02	n	2.0E+01	c	3.0E+00	4.9E-03	n	7.5E-04					
										1.0E-03	I	1	0.1	Aldicarb Sulfone	1646-88-4	6.3E+01	n	8.2E+02	n	2.0E+01	n	2.0E+00	4.4E-03	n	4.4E-04					
										1.7E+01	I	4.9E-03	I	V	1	0.1	Aldicarb sulfoxide	1646-87-3	3.9E-02	c*	1.8E-01	c	5.7E-04	c	4.0E+00	1.5E-04	c	8.8E-04		
										2.1E-02	C	6.0E-06	C	1	0.1	Aldrin	309-00-2	3.9E-02	c*	1.8E-01	c	2.5E-03	c	4.2E-05	n					
										5.0E-03	I	1.0E-04	X	V	1	1.1E+05	50-17-6	3.5E+00	n	1.5E+01	n	4.4E-01	n	2.3E-04	c**					
										2.1E-02	C	6.0E-03	C	1	0.1	Allyl Chloride	107-05-1	7.2E-01	c**	3.2E+00	c*	4.7E-01	c**	3.0E+00	1.3E-03	c	3.0E-04			
										1.0E+00	P	5.0E-03	P	1	0.1	Aluminum	7429-90-5	7.7E+04	n	1.1E+06	nm	5.2E+00	n	2.2E+01	n	2.0E+00	4.4E-03	n	8.8E-04	
										4.0E-04	I	1	0.1	Aluminum Phosphide	20859-73-8	3.1E+01	c	4.7E+02	n	3.6E+07	nm	8.0E+00	n							
										9.0E-03	I	1	0.1	Ametryn	834-12-8	5.7E+02	n	7.4E+03	n	1.5E+02	n	1.6E-01	n							
										2.1E+01	C	6.0E-03	C	1	0.1	Aminobiphenyl, 4-	92-67-1	2.6E-02	c	1.1E-01	c	4.7E-04	c	1.5E-05	c					
										8.0E-02	P	1	0.1	Aminophenol, m-	591-27-5	5.1E+03	c	6.6E+04	n	1.6E+03	n	6.1E-01	n							
										4.0E-03	X	1	0.1	Aminophenol, o-	95-55-6	2.5E+02	n	3.3E+03	n	7.9E+01	n	3.0E-02	n							
										2.0E-02	P	1	0.1	Aminophenol, p-	123-30-8	1.3E+03	n	1.6E+04	n	4.0E+02	n	1.5E-01	n							
										2.5E-03	I	1	0.1	Amitraz	33089-61-1	1.6E+02	n	2.1E+03	n	5.2E+02	n	2.2E+03	n	8.2E+00	n					
										5.0E-01	I	V	1	1	Ammonia	7664-41-7	1.6E+04	n	2.3E+05	nm	4.0E+03	n	4.2E+00	n						
										2.0E-01	I	1	0.1	Ammonium Sulfamate	7773-06-0	1.6E+04	n	2.2E+03	n	4.0E+03	n	4.2E+00	n							
										5.0E-03	X	V	1	1.4E+04	57-85-4	8.2E+01	n	3.4E+02	n	1.3E+01	n	1.3E-03	n							
										4.0E-03	P	1	0.1	Amyl Alcohol, tert-	62-53-3	9.5E+01	c*	4.0E+02	c*	1.0E+00	n	4.4E+00	n	4.6E-03	c*					
										2.0E-03	X	1	0.1	Aniline	84-65-1	1.4E+01	c*	5.7E+01	c*	1.4E+00	c*	1.4E-02	c*							
										4.0E-04	I	3.0E-04	A	0.15	Antimony (metallic)	7440-36-0	3.1E+01	c	4.7E+02	n	3.1E+01	n	7.8E+00	n	6.0E+00	3.5E-01	n	2.7E-01		
										5.0E-04	H	0.15	Antimony Pentoxide	1314-60-9	3.9E+01	c	5.6E+02	n	3.1E+00	n	9.7E+00	n	7.8E+00	n						
										4.0E-04	H	0.15	Antimony Tetroxide	132-32-1	3.1E+01	c	4.7E+02	n	3.1E+00	n	7.8E+00	n	7.8E+00	n						
										1.5E+00	P	7.0E-06	P	1	0.1	Antimony Trioxide	1309-64-4	2.8E+05	c	1.2E+06	nm	2.1E-01	c	8.8E-01	n	1.0E+01	c			
										3.5E-02	I	1	0.1	Arsenic, Inorganic	7440-38-2	6.8E-01	c*	3.0E+00	cR	6.5E-04	c*	2.9E-03	c*	5.2E-02	c	1.0E+01	c	1.5E-03	c	2.9E-01
										3.5E-06	C	5.0E-05	I	1	0.03	Arsine	7784-42-1	2.7E-01	n	4.1E+00	n	5.2E-02	n	7.0E-02	n	1.0E+01	c			
										3.6E-02	O	1	0.1	Asbestos (units in fibers)	1332-21-4	2.3E+03	n	3.0E+04	n	7.2E+02	n	7.0E+06(G)	n							
										3.5E-02	I	1	0.1	Asulam	3337-71-1	2.4E+00	c	1.0E+01	c	3.0E-01	c	3.0E+00	2.0E-04	c	1.9E-03					
										4.0E-04	I	1	0.1	Atrazine	1912-24-9	1.9E+02	n	2.5E+03	n	1.0E+01	n	1.7E+01	n							
										3.0E-03	A	1	0.1	Auramine	492-80-8	6.2E-01	c	2.6E+00	c	1.9E-02	c	7.8E-02	c	7.1E-04	c					
										4.0E-04	I	1	0.1	Avermectin B1	65195-55-3	2.5E+01	n	3.3E+02	n	8.0E+00	n	1.4E+01	n							
										3.0E-03	A	1	0.1	Azinphos-methyl	86-50-0	1.9E+02	n	2.5E+03	n	1.0E+01	n	5.6E+01	n	1.7E-02	n					
										1.1E-01	I	3.1E-05	I	V	1	0.1	Azobenzene	103-33-3	5.6E+00	c	2.6E+01	c	9.1E-02	c	1.2E-01	c	9.3E-04	c		
										1.0E+00	P	7.0E-06	P	1	0.1	Azodicarbonamide	123-77-3	8.6E+03	n	4.0E+04	n	7.3E-03	n	2.0E+04	n	9.4E-01	n			
										2.0E-01	I	5.0E-04	H	0.07	1	0.1	Barium	1861-40-1	3.9E+02	n	5.8E+03	n	2.8E+01	n	8.5E-01	n	1.4E+01	n		
										5.0E-03	O	1	0.1	Benfluralin	17804-35-2	3.2E+03	n	4.1E+04	n	9.7E+02	n	1.0E+00	n							
										2.0E-01	I	1	0.1	Benomyl	83055-99-6	1.3E+04	n	1.6E+05	n	3.9E+03	n	1.0E+00	n							
										3.0E-02	I	1	0.1	Benzaldehyde	25057-89-0	1.9E+03	n	2.5E+04	n	5.7E+02	n	1.2E-01	n	4.1E-03	c					
										1.0E-01	I	1	0.1	Benzene	100-52-7	1.7E+02	c*	8.2E+02	c	1.0E+01	c	4.1E-03	c	4.8E-01						
										4.0E-02	I	1	0.1	Benzene	71-43-2	1.2E+00	c*	5.1E+00	c*	3.6E-01	c*	4.0E+00	5.0E+00	9.8E-05	c*					

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Screening Levels									
Toxicity and Chemical-specific Information															Contaminant									
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub> (ug/m <sup>3</sup> ) <sup>y</sup>	IUR k <sub>e</sub> y	RfD <sub>b</sub> (mg/kg-day)	k <sub>e</sub> RF <sub>c</sub> y	v <sub>e</sub> I	mutagen	GIABS	ABS <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil key	Industrial Soil key	Resident Air key	Industrial Air key	Tapwater key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)					
									1 0.1	Bromoacetic acid	79-08-3						6.0E+01(G)		1.2E-02					
6.2E-02	I 3.7E-05 C 2.0E-02	I 6.0E-02	I V	1	6.8E+02	Bromobenzene	108-86-1	2.9E+02	n 1.8E+03	ns 6.3E+01	n 2.6E+02	n 6.2E+01	n				4.2E-02	n						
		4.0E-02	X V	1	4.0E+03	Bromochloromethane	74-97-5	1.5E+02	n 4.2E+01	n 1.8E+02	n 8.3E+01	n				2.1E-02	n							
			V	1	9.3E+02	Bromodichloromethane	75-27-4	2.9E-01	c 1.3E+00	c 7.6E-02	c 3.3E-01	c 1.3E-01	c	8.0E+01(G)	3.6E-05	c	2.2E-02							
7.9E-03	I 1.1E-06 I 2.0E-02	I 2.0E-02	I V	1	9.2E+02	Bromoform	75-25-2	1.9E+01	c* 8.6E+01	c 2.6E+00	c 1.1E+01	c 3.3E+00	c	8.0E+01(G)	8.7E-04	c	2.1E-02							
		1.4E-03	I V	1	3.6E+03	Bromomethane	74-83-9	6.8E+00	n 3.0E+01	n 5.2E+00	n 2.2E+01	n 7.5E+00	n		1.9E-03	n								
		5.0E-03	H V	1		Bromophos	2104-96-3	3.9E+02	n 5.8E+03						3.5E+01	n	1.5E-01	n						
1.0E-01	O 1.5E-02 O 1.5E-02	1.0E-01	A V	1	9.7E+02	Bromopropane, 1-	106-94-5	2.2E+02	n 9.4E+02	n 1.0E+02	n 4.4E+02	n 2.1E+02	n				6.4E-02	n						
		O	V	1	0.1	Bromoxynil	1689-84-5	5.3E+00	c 2.2E+01	c					6.1E-01	c	5.2E-04	c						
			V	1		Bromoxynil Octanoate	1689-99-2	6.7E+00	c 3.2E+01	c					2.4E-01	c	2.1E-03	c						
6.0E-01	C 3.0E-05 I 2.0E-03	2.0E-03	I V	1	6.7E+02	Butadiene, 1,3-	106-99-0	7.6E-02	c* 3.3E-01	c* 9.4E-02	c* 4.1E-01	c* 7.1E-02	c*			3.9E-05	c*							
		3.0E-02	O V	1	0.1	Butanoic acid, 4-(2,4-dichlorophenoxy)-	94-82-6	1.9E+03	n 2.5E+04	n					4.5E+02	n	4.2E-01	n						
		1.0E-01	V	1	7.6E+03	Butanol, N-	71-36-3	7.8E+03	n 1.2E+05	nms					2.0E+03	n	4.1E-01	n						
2.0E-04	C 5.7E-08 C	2.0E+00	P 3.0E+01	P V	1	2.1E+04	Butyl alcohol, sec-	78-92-2	1.3E+05	nms 1.5E+06	nms 3.1E+04	n 1.3E+05	n 2.4E+04	n			5.0E+00	n						
		5.0E-02	I V	1		Butylate	2008-41-5	3.9E+03	n 5.8E+04	n					4.6E+02	n	4.5E-01	n						
			V	1	0.1	Butylated hydroxyanisole	25013-16-5	2.7E+03	c 1.1E+04	c 4.9E+01	c 2.2E+02	c 1.5E+02	c			2.9E-01	c							
3.6E-03	P 3.0E-01	3.0E-01	P V	1	0.1	Butylated hydroxytoluene	128-37-0	1.5E+02	c 6.4E+02	c					3.4E+00	c	1.0E-01	c						
		5.0E-02	P V	1	1.1E+02	Butylbenzene, n-	104-51-8	3.9E+03	n 5.8E+04	n					1.0E+03	n	3.2E+00	n						
		1.0E-01	X V	1	1.5E+02	Butylbenzene, sec-	135-98-8	7.8E+03	n 1.2E+05	nms					2.0E+03	n	5.9E+00	n						
1.8E-03	I 1.0E-03 I 1.0E-05 A	1.0E-01	X V	1	1.8E+02	Butylbenzene, tert-	98-06-6	7.8E+03	n 1.2E+05	nms					6.9E+02	n	1.6E+00	n						
		2.0E-02	A	1	0.1	Cacodylic Acid	75-60-5	1.3E+03	n 1.6E+04	n					4.0E+02	n	1.1E-01	n						
		1.8E-03	I 1.0E-03 I 1.0E-05 A	0.025 0.001		Cadmium (Diet)	7440-43-9	7.1E+01	n 9.8E+02	n														
1.5E-01	C 4.3E-05 C 2.0E-03	1.5E-01	I 5.0E-04 I 1.0E-05 A	0.05 0.001		Cadmium (Water)	7440-43-9									5.0E+00	6.9E-01	n	3.8E-01					
		5.0E-01	I 2.2E-03 C	1	0.1	Caprolactam	105-60-2	3.1E+04	n 4.0E+05	nm 2.3E+00	n 9.6E+00	n 9.9E+00	n				2.5E+00							
			C	1	0.1	Captfol	2425-06-1	3.6E+00	c* 1.5E+01	c 6.5E-02	c 2.9E-01	c 4.0E-01	c				7.1E-04	c*						
2.3E-03	C 6.6E-07 C	1.3E-01	I 1.0E-01 I 1.0E-05 A	1	0.1	Captan	133-06-2	2.4E+02	c* 1.0E+03	c 4.3E+00	c 1.9E+01	c 3.1E+01	c				2.2E-02	c*						
		1.0E-01	I V	1	0.1	Carbaryl	63-25-2	6.3E+03	n 8.2E+04	n					1.8E+03	n	1.7E-00	n						
		5.0E-03	I	1	0.1	Carbofuran	1563-66-2	3.2E+02	n 4.1E+03	n					9.4E+01	n	4.0E+01		3.7E-02	n	1.6E-02			
7.0E-02	I 6.0E-06 I 4.0E-03	1.0E-01	I V	1	7.4E+02	Carbon Disulfide	75-15-0	7.7E+02	n 3.5E+03	ns 7.3E+02	n 3.1E+03	n 8.1E+02	n				5.0E+00	1.8E-04	c	1.9E-03				
		1.0E-01	P V	1	4.6E+02	Carbon Tetrachloride	56-23-5	6.5E-01	c 2.9E+00	c 4.7E-01	c 2.0E+00	c 4.6E-01	c				5.1E-01							
		1.0E-01	P V	1	5.9E+03	Carbonyl Sulfide	463-58-1	6.7E+01	n 2.8E+02	n 1.0E+02	n 4.4E+02	n 2.1E+02	n											
1.0E-01	I 1.0E-01 I 1.0E-05 A	1.0E-02	I V	1	0.1	Carbosulfan	55285-14-8	6.3E+02	n 8.2E+03	n					5.1E+01	n	1.2E+00	n						
		1.0E-01	I V	1	0.1	Carboxin	5234-68-4	6.3E+03	n 8.2E+04	n					1.9E+03	n	1.0E+00	n						
		9.0E-04	I	1		Ceric oxide	1306-38-3	1.3E+06	n 5.4E+06	n 9.4E-01	n 3.9E+00	n												
4.0E-01	H 1.0E-04 I 1.0E-04 I 1.0E-04	1.0E-01	I V	1	0.1	Chloral Hydrate	302-17-0	7.8E+03	n 1.2E+05	nms					2.0E+03	n	4.0E-01	n						
		1.5E-02	I	1	0.1	Chloramben	133-90-4	9.5E+02	n 1.2E+04	n					2.9E+02	n	7.0E-02	n						
			V	1	0.1	Chloramines, Organic	E701235									4.0E+03(G)								
3.5E-01	I 1.0E-04 I 5.0E-04 I 3.0E-04	1.0E-04	I V	1	0.04	Chloranil	118-75-2	1.3E+00	c 5.7E+00	c					1.8E-01	c	1.5E-04	c						
		1.0E-04	I V	1	0.04	Chlordane (technical mixture)	12789-03-6	1.7E+00	c* 7.7E+00	c* 2.8E-02	c* 1.2E-01	c* 2.0E-02	c			2.0E+00	2.7E-03	c*	2.7E-01					
		1.0E-04	I V	1	0.04	Chlordecone (Kepone)	143-50-0	5.4E-02	c 2.3E-01	c 6.1E-04	c 2.7E-03	c 3.0E-03	c				1.2E-04	c						
7.0E-04	O 9.0E-02 O 9.0E-02	7.0E-04	A V	1	0.1	Chlofenvinphos	470-80-6	4.4E+01	n 5.7E+02	n					1.1E+01	n	3.1E-02	n						
		9.0E-02	O V	1	0.1	Chlorimuron, Ethyl-	90982-32-4	5.7E+03	n 7.4E+04	n							6.0E-01	n	6.0E-01	n				
		1.0E-01	I V	1	0.1	Chlorine Dioxide	10049-04-4	2.3E+03	n 3.4E+04	n 2.1E-01	n 8.8E-01	n 4.2E-01	n			8.0E+02(G)	1.5E-04	n	2.0E+00					
3.0E-02	I 2.0E-04 I 2.0E-04 I 2.0E-04	2.0E-04	I V	1	0.1	Chlorite (Sodium Salt)	7782-19-2	2.3E+03	n 3.5E+04	n 1.8E-01	n 7.8E-01	n 3.0E-01	n			1.0E+03	3.1E-02	c	6.0E-01					
		2.0E-04	I V	1	0.1	Chloro-1,1-difluoroethane, 1-	75-68-3	5.4E+04	n 2.3E+05	nms 5.2E+04	n 2.2E+05	n 1.0E+05	n				5.2E+01	n						
			V	1	0.1	Chloro-1,2-butadiene, 2-	126-99-8	1.0E-02	c 4.9E-03	c 9.4E-03	c 4.1E-02	c 1.9E-02	c				9.8E-06	c						
4.6E-01	H 2.0E-02 I 7.7E-05 C 3.0E-03	2.0E-02	I V	1	0.1	Chloro-2-methyl HCl, 4-	3165-93-3	1.2E+00	c 5.0E+00	c					1.7E-01	c	1.5E-04	c						
		1.0E-01	P V	1	0.1	Chloro-2-methylaniline, 4-	95-69-2	5.4E+00	c* 2.3E+01	c 3.6E-02	c 1.6E-01	c 7.0E-01	c*				4.0E-04	c*						
			V	1	0.1	Chloroacetaldehyde, 2-	107-20-0	2.6E+00	c 1.2E+01	c					2.9E-01	c	5.8E-05	c	1.2E-02					
2.7E-01	X 3.0E-05 I	3.0E-05	I	1	0.1	Chloroacetophenone, 2-	532-27-4	4.3E+04	n 1.8E+05	nm 3.1E-02	n 1.3E-01	n				6.0E+01(G)								
		2.0E-01	P	1	0.1	Chloroaniline, p-	106-47-8	2.7E+00	c* 1.1E+01	c					3.7E-01	c	1.6E-04	c						

Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2020 (corrected)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Protection of Ground Water SSIs																			
Toxicity and Chemical-specific Information															Screening Levels																			
SFO (mg/kg-day) <sup>-1</sup>	e y	IUR (ug/m <sup>3</sup> ) y	k <sub>e</sub>	RFD <sub>e</sub> (mg/kg-day)	k <sub>e</sub>	RFC <sub>e</sub> (mg/m <sup>3</sup> ) y	k <sub>v</sub> mutagen	C <sub>sat</sub> GIABS	ABS <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)														
											Chlorothiophos, Chromium(III), Insoluble Salts	60238-56-4 16065-83-1	5.1E+01 1.2E+05	n nm	6.6E+02 1.8E+06	n nm	2.8E+00 2.2E+04	n	7.3E-02 4.0E-07	n														
5.0E-01	C	8.4E-02	G	3.0E-03	I	1.0E-04	I	M	0.025		Chromium(VI)	18540-29-9	3.0E-01	c	6.3E+00	c	1.2E-05	c	1.5E-04	c	6.7E-04	c												
											Chromium, Total	7440-47-3									1.0E+02	1.8E+05												
											Clofentezine	74115-24-5	8.2E+02 2.3E+01	n n	1.1E+04 3.5E+02	n n	2.3E+02 6.0E+00	n				1.4E+01	n											
											Cobalt	7440-48-4									2.7E-01	n												
											Coke Oven Emissions	E649830									2.8E+01	4.6E+01												
											Copper	7440-50-8	3.1E+03 4.7E+04	n n	4.7E+04 1.1E+04	n n	8.0E+02 6.0E+00	n	1.3E+03															
											Cresol, m-	108-39-4	3.2E+03	n	4.1E+04	n	6.3E+02	n	2.6E+03	n	9.3E+02	n												
											Cresol, o-	95-48-7	3.2E+03	n	4.1E+04	n	6.3E+02	n	2.6E+03	n	9.3E+02	n												
											Cresol, p-	106-44-5	6.3E+03	n	8.2E+04	n	6.3E+02	n	2.6E+03	n	1.5E+00	n												
											Cresol, p-chloro-m-	59-50-7	6.3E+03	n	8.2E+04	n					1.7E+00	n												
											Cresols	1319-77-3	6.3E+03	n	8.2E+04	n	6.3E+02	n	2.6E+03	n	1.3E+00	n												
1.9E+00	H				I	6.0E-01	C		1	0.1	Crotonaldehyde, trans-	123-73-9	3.7E-01	n	1.7E+00	n	8.0E+02 4.0E-02	n	1.0E+00	n	8.2E-06	c												
											Cumene	98-82-8	1.9E+03	n	9.9E+03	ns	4.2E+02	n	1.8E+03	n	4.5E+02	n												
											Cupferron	135-20-6	2.5E+00	c	1.0E+01	c	4.5E-02	c	1.9E-01	c	3.5E-01	c												
8.4E-01	H				V	1			1	0.1	Cyanazine	21725-46-2	6.5E-01	c	2.7E+00	n					4.1E-05	c												
											Cyanides	592-01-8	7.8E+01	n	1.2E+03	n																		
											-Calcium Cyanide	544-92-3	3.9E+02	n	5.8E+03	n																		
											-Copper Cyanide	544-92-3																						
											-Cyanide (CN-)	57-12-5	2.3E+01	n	1.5E+02	n	8.3E-01	n	3.5E+00	n	1.5E+00	n												
											-Cyanogen	460-19-5	7.8E+01	n	1.2E+03	n					2.0E+02	1.5E-02	n	2.0E+00										
											-Cyanogen Bromide	506-68-3	7.0E+03	n	1.1E+05	n																		
											-Cyanogen Chloride	506-77-4	3.9E+03	n	5.8E+04	n																		
											-Hydrogen Cyanide	74-90-8	2.3E+01	n	1.5E+02	n	8.3E-01	n	3.5E+00	n	1.0E+00	n												
											-Potassium Cyanide	151-50-8	1.6E+02	n	2.3E+03	n																		
											-Potassium Silver Cyanide	506-61-6	3.9E+02	n	5.8E+03	n																		
											-Silver Cyanide	506-64-9	7.8E+03	n	1.2E+05	n																		
											-Sodium Cyanide	143-33-9	7.8E+01	n	1.2E+03	n																		
											-Thiocyanates	E1790664	1.6E+01	n	2.3E+02	n																		
											-Thiocyanic Acid	463-56-9	1.6E+01	n	2.3E+02	n																		
											-Zinc Cyanide	557-21-1	3.9E+03	n	5.8E+04	n																		
2.0E-02	X				I	6.0E+00	V		1	0.1	Cyclohexane	110-82-7	6.5E+03	ns	2.7E+04	ns	6.3E+03	n	2.6E+04	n	1.3E+04	n	1.3E+01	n										
						2.0E-02	X		1	0.1	Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	2.7E+01	c*	1.1E+02	c						1.6E-02	c											
						5.0E+00	I	7.0E-01	P	V	Cyclohexanone	108-94-1	2.8E+04	n	1.3E+05	ns	7.3E+02	n	3.1E+03	n	1.4E+03	n	3.4E-01	n										
											Cyclohexene	110-83-8	3.1E+02	n	3.1E+03	ns	1.0E+03	n	4.4E+03	n	7.0E+01	n	4.6E-02	n										
						2.0E-01	I	V			Cyclohexylamine	108-91-8	1.6E+04	n	2.3E+05	nm							1.0E+00	n										
						2.5E-02	I		1	0.1	Cyfluthrin	68359-37-5	1.6E+03	n	2.1E+04	n							3.1E+01	n										
2.4E-01	I	6.9E-05	C	3.0E-05	X	1	V		1	0.1	Cyhalothrin	68085-85-8	6.3E+01	n	8.2E+02	n							1.4E+01	n										
						5.0E-01	O		1	0.1	Cyromazine	72-54-8	1.9E+00	n	9.6E+00	c**	4.1E-02	c	1.8E-01	c	3.2E-02	c**	7.5E-03	c**										
						3.0E-02	I		1	0.1	DDD, p,p' - (DDD)	72-55-9	2.0E+00	c*	9.3E+00	c*	2.9E-02	c	1.3E-01	c	4.6E-02	c	1.1E-02	c										
3.4E-01	I	9.7E-05	C	3.0E-04	X	1	V		1	0.03	DDT, p,p' - DDT	50-29-3	1.9E+00	c*	8.5E+00	c*	2.9E-02	c	1.3E-01	c	2.3E-01	c*	7.7E-02	c*										
3.4E-01	I	9.7E-05	C	3.0E-04	I	5.0E-04	V		1	0.1	Dalapon	75-99-0	1.9E+03	n	2.5E+04	n							6.0E+02	n	1.2E-01	n	4.1E-02	n						
1.8E-02	C	5.1E-06	C	1.5E-01	I		V		1	0.1	Daminozide	1596-84-5	3.0E+01	c	1.3E+02	c	5.5E-01	c	2.4E+00	c	4.3E-01	c	9.5E-04	c										
7.0E-04	I				7.0E-03	I	V		1	0.1	Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6- (BDE-209)	1163-19-5	4.4E+02	n	3.3E+03	c**	1.1E+00	n	1.1E+02	c**	4.2E-01	n	6.2E+01	c**										
						4.0E-05	I		1	0.1	Demeton	8065-48-3	2.5E+00	n	3.3E+01	n																		
1.2E-03	I				6.0E-01	I	V		1	0.1	Di(2-ethylhexyl)adipate	103-23-1	4.5E+02	c*	1.9E+03	c							6.5E+01	c	4.0E+02	4.7E+00	c	2.9E+01						
6.1E-02	H				7.0E-04	A			1	0.1	Diallate	2303-16-4	8.9E+00	c	3.8E+01	c											8.0E-04	c						
						7.0E-04	I		1	0.1	Diazinon	631-64-1	4.4E+01	n	5.7E+02	n												6.5E-02	n					
						1.0E-02	X	V	1	0.1	Dibenzothiophene	132-65-0	7.8E+02	n	1.2E+04	n												1.2E+00	n					
						2.0E-04	P	2.0E-04	I	V	Dibromo-3-chloropropane, 1,2-	96-12-8	5.3E-03	c	6.4E-02	c	1.7E-04	c	2.0E-03	c	3.3E-04	c	2.0E-01	6.0E+01(G)	1.4E-07	c	8.6E-05	1.2E-02						
						1.0E-04	P	2.0E-04	I	V	Dibromoacetic acid	631-64-1																						
						4.0E-04	X	V	1	0.1	Dibromobenzene, 1,3-	108-36-1	3.1E+01	n	4.7E+02	ns											5.1E-03	n						
						2.0E-02	I	V	1	0.1	Dibromobenzene, 1,4-	106-37-6	7.8E+02	n	1.2E+04	c											1.2E-01	n						
						2.0E-02	I	V	1	0.1	Dibromochloromethane	124-48-1	8.3E+00	c	3.9E+01	c											8.0E+01(G)	2.3E-04	c	2.1E-02				
						3.0E-04	P	4.0E-03	I	V	Dibromoethane, 1,2-	106-93-4	3.6E-02	c	1.6E-01	c	4.7E-03	c	2.0E-02	c	7.5E-03	c	5.0E-02	2.1E-06	c	1.4E-05								
						3.0E-04	P	4.0E-03	I	V	Dibromomethane (Methylene Bromide)	74-95-3	2.4E+01	n	9.9E+01	n	4.2E+00	n	1.8E+01	n	8.3E+00	n	6.0E+00	n					2.1E-03	n				
						3.0E-02	I		1	0.1	Dibutyltin Compounds	E1790660	1.9E+01	c	5.1E+00	c	2.5E+02	n																
						4.2E-03	P	V	1	0.1	Dicamba	1918-09-9	1.9																					

Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2020 (corrected)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Contaminant					Protection of Ground Water SSIs				
Toxicity and Chemical-specific Information															Screening Levels					Protection of Ground Water SSIs				
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub> y	IUR (ug/m <sup>3</sup> ) y	k <sub>e</sub> y	RFD <sub>s</sub> (mg/m <sup>3</sup> ) y	k <sub>v</sub> y	C <sub>mutagen</sub>	GIABS <sub>d</sub>	Abs <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)					
1.0E-01	P	6.0E-02	P	V	1	2.4E+04	Ethoxyethanol Acetate, 2-			111-15-9	2.6E+03	n	1.4E+04	n	6.3E+01	n	2.6E+02	n	1.2E+02	n	2.5E-02	n		
9.0E-02	P	2.0E-01	I	V	1	1.1E+05	Ethoxyethanol, 2-			110-80-5	5.2E+03	n	4.7E+04	n	2.1E+02	n	8.8E+02	n	3.4E+02	n	6.8E-02	n		
9.0E-01	I	7.0E-02	P	V	1	1.1E+04	Ethyl Acetate			141-78-6	6.2E+02	n	2.6E+03	n	7.3E+01	n	3.1E+02	n	1.4E+02	n	3.1E-02	n		
5.0E-03	P	8.0E-03	P	V	1	2.5E+03	Ethyl Acrylate			140-88-5	4.7E+01	n	2.1E+02	n	8.3E+00	n	3.5E+01	n	1.4E+01	n	3.2E-03	n		
1.0E+01	I	V	1		2.1E+03	Ethyl Chloride (Chloroethane)			75-00-3	1.4E+04	ns	5.7E+04	ns	1.0E+04	n	4.4E+04	n	2.1E+04	n	5.9E+00	n			
2.0E-01	I	V	1		1.0E+04	Ethyl Ether			60-29-7	1.6E+04	ns	2.3E+05	nm			3.9E+03	n			8.8E-01	n			
3.0E-01	P	V	1		1.1E+03	Ethyl Methacrylate			97-63-2	1.8E+03	n	7.6E+03	n	3.1E+02	n	1.3E+03	n	6.3E+02	n	1.5E-01	n			
1.0E-05	I		1	0.1		Ethyl-p-nitrophenyl Phosphonate			2104-64-5	6.3E-01	n	8.2E+00	n			8.9E-02	n			2.8E-03	n			
1.1E-02	C	2.5E-06	C	1.0E-01	I	V		4.8E+02		100-41-4	5.8E+00	c	2.5E+01	c	1.1E+00	c	4.9E+00	c	1.5E+00	c	7.0E+02	1.7E-03	c	7.8E-01
7.0E-02	P				1	0.1	Ethylbenzene			109-78-4	4.4E+03	n	5.7E+04	n			1.4E+03	n			2.8E-01	n		
9.0E-02	P		V	1	1.9E+05	Ethylene Diamine			107-15-3	7.0E+03	n	1.1E+05	nm			1.8E+03	n			4.1E-01	n			
2.0E+00	I	4.0E-01	C	1	0.1	Ethylene Glycol			107-21-1	1.3E+05	nm	1.6E+06	nm	4.2E+02	n	1.8E+03	n	4.0E+04	n			8.1E+00	n	
1.0E-01	I	1.6E+00	I	1	0.1	Ethylene Glycol Monobutyl Ether			111-76-2	6.3E+03	n	8.2E+04	n	1.7E+03	n	7.0E+03	n	2.0E+03	n	4.1E-01	n			
3.1E-01	C	3.0E-03	I	3.0E-02	C	V	M	1	1.2E+05	Ethylene Oxide	75-21-8	2.0E-03	c	2.5E-02	c	3.4E-04	c	4.1E-03	c	6.7E-04	c	1.4E-07	c	
4.5E-02	C	1.3E-05	C	8.0E-05	I			1	0.1	Ethylene Thiourea	96-45-7	5.1E+00	c	5.1E+01	c**	2.2E-01	c	9.4E-01	c	1.6E+00	n	3.6E-04	n	
6.5E+01	C	1.9E-02	C		V	1	1.5E+05	Ethyleneimine		151-56-4	2.7E-03	c	1.2E-02	c	1.5E-04	c	6.5E-04	c	2.4E-04	c	5.2E-08	c		
3.0E+00	I				1	0.1	Ethylphthalyl Ethyl Glycolate			84-72-0	1.9E+05	nm	2.5E+06	nm			5.8E+04	n			1.3E+02	n		
2.5E+04	I				1	0.1	Fenamiphos			22224-92-6	1.6E+01	n	2.1E+02	n			4.4E+00	n			4.3E-03	n		
2.5E-02	I				1	0.1	Fenpropothrin			39515-41-8	1.6E+03	n	2.1E+04	n			6.4E+01	n			2.9E+00	n		
2.5E-02	I				1	0.1	Fenvalerate			51630-58-1	1.6E-03	n	2.1E+04	n			5.0E+02	n			3.2E-02	n		
1.3E-02	I				1	0.1	Fluometuron			2164-17-2	8.2E+02	n	1.1E+04	n			2.4E+02	n			1.9E-01	n		
4.0E-02	C	1.3E-02	C		V	1	1.5E+05	Fluoride		16984-48-8	3.1E+03	n	4.7E+04	n	1.4E+01	n	5.7E+01	n	8.0E+02	n	4.0E+03	1.2E+02	n	6.0E+02
6.0E-02	I	1.3E-02	C		V	1		Fluorine (Soluble Fluoride)		7782-41-4	4.7E+03	n	7.0E+04	n	1.4E+01	n	5.7E+01	n	1.2E+03	n	4.0E+03	1.8E+02	n	6.0E+02
8.0E-02	I				1	0.1	Fluridone			59756-60-4	5.1E+03	n	6.6E+04	n			1.4E+03	n			4.2E-02	n		
4.0E-02	O				1	0.1	Flurprimidol			56425-91-3	2.5E+03	n	3.3E+04	n			6.9E+02	n			3.1E+00	n		
2.0E-03	O				1	0.1	Flusilazole			85509-19-9	1.3E+02	n	1.6E+03	n			3.1E+01	n			5.1E+00	n		
5.0E-02	O				1	0.1	Flutolanil			66332-96-5	3.2E+04	n	4.1E+05	n			7.9E+03	n			4.2E-01	n		
1.0E-02	I				1	0.1	Fluvalinate			69409-94-5	6.3E+02	n	8.2E+03	n			2.0E+02	n			2.9E+02	n		
9.0E-02	O				1	0.1	Folpet			133-07-3	5.7E+03	n	7.4E+04	n			1.6E+03	n			3.9E-01	n		
2.5E-03	O				1	0.1	Fomesafen			72178-02-0	1.6E+02	n	2.1E+03	n			4.8E+01	n			1.6E-01	n		
2.0E-03	I				1	0.1	Fonofos			944-22-9	1.3E+02	n	1.6E+03	n			2.4E+01	n			4.7E-02	n		
2.1E-02	C	1.3E-05	I	2.0E-01	I	V		1	4.2E+04	Formaldehyde	50-00-0	1.1E+01	c*	5.0E+01	c*	2.2E-01	c*	9.4E-01	c*	3.9E-01	c*	7.8E-05	c*	
9.0E-01	P	3.0E-04	X	V	1	1.1E+05	Formic Acid			64-18-6	2.9E+01	n	1.2E+02	n	3.1E-01	n	1.3E+00	n	6.3E-01	n	1.3E-04	n		
2.5E+00	O				1	0.1	Fosetyl-AL			39148-24-8	1.6E+05	nm	2.1E+06	nm			5.0E+04	n			6.6E+02	n		
1.0E-03	X	V	1							132-64-9	7.8E+01	n	1.2E+03	n			7.9E+00	n			1.5E-01	n		
1.0E-03	I	V	1							110-00-9	7.8E+01	n	1.2E+03	n			1.9E+01	n			7.3E-03	n		
9.0E-01	I	2.0E+00	I	V	1	1.7E+05	Tetrahydrofuran			109-99-9	1.8E+04	n	9.5E+04	n	2.1E+03	n	8.8E+03	n	3.4E+03	n	7.5E-01	n		
3.0E-03	I	5.0E-02	H	V	1	1.0E+04	Furazolidone			67-45-8	1.4E-01	c	6.0E-01	c	2.0E+02	c	2.0E+02	c	3.9E-05	c				
1.5E+00	C	4.3E-04	C							98-01-1	2.1E+02	n	2.6E+03	n	5.2E+01	c	2.2E+02	n	3.8E+01	n	8.1E-03	n		
3.0E-02	I	8.6E-06	C							77182-82-2	3.6E-01	c	6.5E-02	c	5.1E-02	c	1.1E+00	c	1.2E+02	n	2.6E-02	n		
6.0E-03	O									111-30-8	6.0E+03	n	7.0E+04	n	8.3E-02	n	3.5E-01	n	2.0E+03	n	4.0E-01	n		
4.0E-04	I	8.0E-05	C							765-34-4	2.3E+01	n	2.1E+02	n	1.0E+00	n	4.4E+00	n	1.7E+00	n	3.3E-04	n		
1.0E-01	I	1.0E-03	H	V	1	1.1E+05	Glycidyl Glyosphate			1071-83-6	6.3E+03	n	8.2E+04	n			2.0E+03	n			8.8E+00	3.1E+00		
1.0E-02	X	V	1							103-08-0	7.8E+02	n	1.2E+04	n			2.0E+02	n			4.5E-02	n		
2.0E-02	P		1	0.1						50-01-1	1.3E+03	n	1.6E+04	n			4.0E+02	n			4.0E-02	n		
3.0E-02	X	V	1	0.1						506-93-4	1.9E+03	n	2.5E+04	n			6.0E+02	n			1.5E-01	n		
5.0E-05	I				1	0.1				69806-40-2	3.2E+00	n	4.1E+01	n			7.6E-01	n			8.4E-03	n		
4.5E+00	I	1.3E-03	I	5.0E-04	I	V	1			76-44-8	1.3E-01	c	6.3E-01	c	2.2E-03	c	9.4E-03	c	1.4E-03	c	4.0E-01	1.2E-04	c	3.3E-02
9.1E+00	I	2.6E-03	I	1.3E-05	I	V	1			1024-57-0	7.0E-02	c*	3.3E-01	c*	1.1E-03	c	4.7E-03	c	1.4E-03	c*	2.0E-01	2.8E-05	c*	4.1E-03
3.0E-03	X	3.0E-03	X	V	1	2.1E+02	Heptanediol, n-			111-71-7	2.4E+01	n	1.0E+02	n	3.1E+00	n	1.3E+01	n	6.3E+00	n	1.4E-03	n		
3.0E-04	X	4.0E-01	P	V	1	5.8E+01	Heptane, N-			142-82-5	2.2E+01	n	2.9E+02	ns	4.2E+02	n	1.8E+03	n	6.0E+00	n	4.8E-02	n		
2.0E-03	I	V	1							87-82-1	1.6E+02	n	2.3E+03	n			4.0E+01	n			2.3E-01	n		
2.0E-04	I				1	0.1				68631-49-2	1.3E+01	n	1.6E+02	n			4.0E+00	n			1.2E-04	c	1.3E-02	
1.6E+00	I	4.6E-04	I	8.0E-04	I	V	1			118-74-1	2.1E-01	c	9.6E-01	c	6.1E-03	c	2.7E-02	c	9.8E-03	c	1.0E+00	2.7E-04	c*	
7.8E-02	I	2.2E-05	I	1.0E																				

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Contaminant							Protection of Ground Water SSIs				
Toxicity and Chemical-specific Information															Screening Levels							Protection of Ground Water SSIs				
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub> y	IUR (ug/m <sup>3</sup> ) <sup>-1</sup>	k <sub>e</sub> y	RFD <sub>s</sub> (mg/kg-day)	k <sub>e</sub> y	RfC <sub>s</sub> (mg/m <sup>3</sup> ) <sup>-1</sup>	k <sub>v</sub> y	I	mutagen	GIABS	ABS <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)				
3.0E+00	I	4.9E-03	I	1.7E-02	O	3.0E-05	P	V	1	0.1	1.1E+05	Hydramethylnon	67485-29-4	302-01-2	n	1.4E+04	c*	5.7E-04	c*	2.5E-03	c*	1.1E-03		1.2E+05	n	
3.0E+00	I	4.9E-03	I	2.0E-02	I	V	1					Hydrazine Sulfate	10034-93-2	3.2E-02	c*	1.4E-01	c*	5.7E-04	c	2.5E-03	c	2.6E-02	c	2.2E-07	c*	
				4.0E-02	C	1.4E-02	C	V	1			Hydrogen Chloride	7647-01-0	2.8E+07	nm	1.2E+08	nm	2.1E+01	n	8.8E+01	n	4.2E+01	n			
												Hydrogen Fluoride	7664-39-3	3.1E+03	n	4.7E+04	n	1.5E+01	n	6.1E+01	n	2.8E+01	n			
6.0E-02	P	4.0E-02	P	2.5E-03	O	1	0.1					Hydrogen Sulfide	7783-06-4	9.0E+00	nm	1.2E+07	nm	2.1E+00	n	8.8E+00	n	4.2E+00	n			
6.1E-02	O											Hydroquinone	123-31-9	3.8E+00	c	3.8E+01	c					1.3E+00	c	8.7E-04	c	
												Imazalil	35554-44-0	8.9E+00	c*	3.8E+01	c*					9.0E-01	c*	1.5E-02	c*	
2.5E-01	I											Imazaquin	81335-37-7	1.6E+04	n	2.1E+05	nm					4.9E+03	n	2.4E+01	n	
2.5E+00	O											Imazethapyr	81335-77-5	1.6E+05	nm	2.1E+06	nm					4.7E+04	n	4.1E+01	n	
1.0E-02	A											Iodine	7553-56-2	7.8E+02	n	1.2E+04	n					2.0E+02	n	1.2E+01	n	
4.0E-02	I											iprodione	36734-19-7	2.5E+03	n	3.3E+04	n					7.4E+02	n	2.2E-01	n	
7.0E-01	P											Iron	7439-89-6	5.5E+04	n	8.2E+05	nm					1.4E+04	n	3.5E+02	n	
3.0E-01	I											Isobutyl Alcohol	78-83-1	2.3E+04	n	3.5E+05	nmns					5.9E+03	n	1.2E+00	n	
9.5E-04	I											Isophorone	81335-50-0	5.7E-02	c*	2.4E+03	c*	2.1E+03	n	8.8E+03	n	7.8E+01	c*		2.6E-02	c*
1.5E-02	I											Isopropalin	33820-53-0	1.2E+03	n	1.8E+04	n					4.0E+01	n	9.2E-01	n	
2.0E+00	P	2.0E-01	P	V	1	1.1E+05						Isopropanol	67-63-0	5.6E+03	n	2.4E+04	n	2.1E+02	n	8.8E+02	n	4.1E+02	n		8.4E-02	n
1.0E-01	I											Isopropyl Methyl Phosphonic Acid	1832-54-8	6.3E+03	n	8.2E+04	n					2.0E+03	n	4.3E-01	n	
5.0E-02	I											Isoxaben	82558-50-7	3.2E+03	n	4.1E+04	n					7.3E+02	n	2.0E+00	n	
												E1737665	4.3E-08	1.8E+09	nm	3.1E+02	n	1.3E+03	n	6.3E+02	n					
8.0E-03	O											Lactofen	77501-63-4	5.1E+02	n	6.6E+03	n					1.0E+02	n	4.6E+00	n	
2.0E-04	X											Lactonitrile	78-97-1	1.3E+01	n	1.6E+02	n					4.0E+00	n	8.1E-04	n	
5.0E-05	P											Lanthanum	7439-91-0	3.9E+00	n	5.8E+01	n					1.0E+00	n			
2.1E-05	P											Lanthanum Acetate Hydrate	100587-90-4	1.3E+00	n	1.7E+01	n					4.2E+01	n			
1.9E-05	P											Lanthanum Chloride Heptahydrate	10025-84-0	1.5E+00	n	2.2E+01	n					3.7E+01	n			
2.8E-05	P											Lanthanum Chloride, Anhydrous	10099-58-8	2.2E+00	n	3.3E+01	n					5.7E+01	n			
1.6E-05	P											Lanthanum Nitrate Hexahydrate	1027743-7	1.3E+00	n	1.9E+01	n					3.2E+01	n			
8.5E-03	C	1.2E-05	C									Lead Compounds	7446-27-7	8.2E+01	c	3.8E+02	c	2.3E-01	c	1.0E+00	c	9.1E+00	c			
2.1E-01	C	8.0E-05	C									-Lead acetate	301-04-2	2.6E+00	c	1.1E+01	c	3.5E-02	c	1.5E-01	c	3.7E-01	c	7.5E-05	c	
3.8E-02	C	1.1E-05	C									-Lead and Compounds	7439-92-1	4.0E+02	G	8.0E+02	G	1.5E-01	G	1.5E-01	G	1.5E+01	G	1.5E+01	4.5E-04	c
											-Lead subacetate	1335-32-6	1.4E+01	c	6.0E+01	c	2.6E-01	c	1.1E+00	c	2.1E+00		1.4E+01			
1.0E-07	I		V	1	2.4E+00							Tetraethyl Lead	78-00-2	7.8E-03	n	1.2E-01	n					1.3E-03	n	4.7E-06	n	
5.0E-06	P		V	1	3.8E+02							Leuwistite	541-25-3	3.9E-01	n	5.8E+00	n					9.0E-02	n	3.8E-05	n	
7.7E-03	O			1	0.1							Lithium	330-55-2	4.9E+02	n	6.3E+03	n					1.3E+02	n	1.1E-01	n	
2.0E-03	P											MCPA	7439-93-2	1.6E+02	n	2.3E+03	n					4.0E+01	n	1.2E+01	n	
5.0E-04	I											MCPB	94-81-5	3.2E+02	n	4.1E+02	n					7.5E+00	n	2.0E-03	n	
4.4E-03	O											MCPP	93-65-2	6.3E+01	n	8.2E+02	n					1.6E+01	n	4.7E-03	n	
1.0E-03	I											Malathion	121-75-5	1.3E+03	n	1.6E+04	n					3.9E+02	n	1.0E-01	n	
2.0E-02	I											Maleic Anhydride	108-31-6	6.3E+03	n	8.0E+04	n	7.3E-01	n	3.1E+00	n	1.9E+03	n	3.8E-01	n	
1.0E-01	I		7.0E-04	C								Maleic Hydrazide	123-33-1	3.2E+04	n	4.1E+05	nm					1.0E+04	n	2.1E+00	n	
1.0E-04	P											Malononitrile	109-77-3	6.3E+00	n	8.2E+01	n					2.0E+00	n	4.1E-04	n	
3.0E-02	H											Mancozeb	8018-01-7	1.9E+03	n	2.5E+04	n					5.4E+02	n	7.6E-01	n	
5.0E-03	I											Manganese	12427-38-2	3.2E+02	n	4.1E+03	n					9.8E+01	n	1.4E-01	n	
1.4E-01	I	5.0E-05	I	1	0.1							Manganese (Diet)	7439-96-5	5.7E+03	n	6.2E+04	n					2.6E+01	n	2.8E+01	n	
2.4E-02	G	5.0E-05	I	0.04								Manganese (Non-diet)	950-10-7	5.7E+03	n	6.2E+04	n					1.8E+00	n	2.8E+01	n	
9.0E-05	H											Mephosfanol	950-10-7	5.7E+03	n	6.2E+04	n					1.8E+00	n	2.6E-03	n	
3.0E-05	P											Mepiquat Chloride	24307-26-4	1.9E+03	n	2.5E+04	n					6.0E+02	n	2.0E-01	n	
4.0E-03	P											Mercaptobenzothiazole, 2-	149-30-4	4.9E+01	c**	2.1E+02	c	1.2E+06	nms			6.3E+00	c*	1.8E-02	c*	
												Mercury Compounds	7487-94-7	2.3E+01	n	3.5E+02	n	3.1E-01	n	1.3E+00	n	5.7E+00	n	2.0E+00	3.3E-02	n
												-Mercuric Chloride (and other Mercury salts)	7439-97-6	1.1E+01	n	4.6E+01	ns	3.1E-01	n	1.3E+00	n	6.3E-01	n	2.0E+00	1.0E-01	
1.0E-04	I											-Mercury (elemental)	22967-92-6	7.8E+00	n	1.2E+02	n					2.0E+00	n	1.4E+01	n	
8.0E-05	I											-Methyl Mercury	62-38-4	5.1E+00	n	6.6E+01	n					1.6E+00	n	5.0E-04	n	
3.0E-05	I											Merphos	150-50-5	2.3E+00	n	3.5E+01	n					6.0E-01	n	5.9E-02	n	
1.0E-04	O											Morphos Oxide	78-48-8	6.3E+00	n	8.2E+01	n					2.8E-01	n	1.4E-03	n	
6.0E-02	I											Metalaxyl	57837-19-1	3.8E+03	n	4.9E+04	n					1.2E+03	n	3.3E-01	n	
1.0E-04	I	3.0E-02	P	V	1	4.6E+03																				

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.																				
Toxicity and Chemical-specific Information										Contaminant				Screening Levels						
SFO (mg/kg-day) <sup>-1</sup>	e y	IUR (ug/m <sup>3</sup> ) y	k <sub>e</sub> RfD <sub>b</sub> y	k <sub>e</sub> RfC <sub>b</sub> y	k <sub>v</sub> mutagen	C <sub>abs</sub> GIABS	C <sub>abs</sub> d	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)		
9.9E-02	C	2.8E-05	C			1	0.1		Methyl methanesulfonate	66-27-3	5.5E+00	c	2.3E+01	c	1.0E-01	c	7.9E-01	c	1.6E-04	c
1.8E-03	C	2.6E-07	C			3.0E+00	I	V	Methyl tert-Butyl Ether (MTBE)	1634-04-4	4.7E+01	c	2.1E+02	c	1.1E+01	c	4.7E+01	c	3.2E-03	c
						3.0E-04	X		Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	1.9E+01	c	2.5E+02	n					3.6E-03	n
9.0E-03	P	2.0E-02	X			3.0E+00	X	V	Methyl-2-Pentanol, 4-	108-11-2	5.4E+04	ns	2.3E+05	nms	3.1E+03	n	1.3E+04	n	1.4E+00	n
8.3E+00	C	2.4E-03	C				1	0.1	Methyl-N-nitro-N-nitrosoguanidine, N-	99-55-8	6.0E+01	c*	2.6E+02	c*					4.6E-03	c*
1.3E-01	C	3.7E-05	C				1	0.1	Methylaniline Hydrochloride, 2-	70-25-7	6.5E+02	c	2.8E+01	c	1.2E-03	c	5.1E-03	c	3.2E-06	c
							1.0E-02	A	Methylarsonic acid	636-21-5	4.2E+00	c	1.8E+01	c	7.6E-02	c	3.3E-01	c	2.6E-04	c
							2.0E-04	X	Methylbenzene, 1,4-diamine monohydrochloride, 2-	124-58-3	6.3E+02	n	8.2E+03	n					5.8E-02	n
1.0E-01	X	3.0E-04	X				1	0.1	Methylbenzene-1,4-diamine sulfate, 2-	74612-12-7	1.3E+01	c	1.6E+02	n						
2.2E+01	C	6.3E-03	C				1	0.1	Methylcholanthrene, 3-	56-49-5	5.5E-03	c	1.0E-01	c	1.6E-04	c	1.9E-03	c	2.2E-03	c
2.0E-03	I	1.0E-08	I			6.0E-03	I	V	Methylene Chloride	75-09-2	5.7E+01	c*	1.0E+03	c**	1.2E+03	c*	1.1E+01	c**	2.9E-03	c**
1.0E-01	P	4.3E-04	C			2.0E-03	P	M	Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	1.2E+00	c	2.3E+01	c*	2.4E-03	c	2.9E-02	c	1.8E-03	c
4.6E-02	I	1.3E-05	C				1	0.1	Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	1.2E+01	c	5.0E+01	c	2.2E-01	c	9.4E-01	c	3.9E-03	c
1.6E+00	C	4.6E-04	C				1	0.1	Methylenebisbenzylamine, 4,4'-	101-77-9	3.4E-01	c	1.4E+00	c	6.1E-03	c	2.7E-02	c	2.1E-04	c
							6.0E-04	I	Methylenediphenyl Diisocyanate	101-68-8	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n		
7.0E-02	H		V			1	0.1	Methylstyrene, Alpha-	98-89-9	5.5E+03	nm	8.2E+04	ns					1.2E+00	n	
1.5E-01	I					1	0.1	Metalochlor	51218-45-2	9.5E+03	c	1.2E+03	nm					3.2E+00	n	
2.5E-02	I					1	0.1	Metribuzin	21087-64-9	1.6E+03	c	2.1E+04	n					1.5E-01	n	
2.5E-01	I					1	0.1	Metsulfuron-methyl	74223-64-8	1.6E+04	c	2.1E+05	nm					1.9E+00	n	
3.0E+00	P	V				1	0.1	Mineral oils	8012-95-1	2.3E+05	nms	3.5E+06					2.4E+03	n		
1.8E+01	C	5.1E-03	C			2.0E-04	I	V	Mirex	2385-85-6	3.6E-02	c	1.7E-01	c	5.5E-04	c	2.4E-03	c	6.3E-04	c
						2.0E-03	I		Molinate	2212-67-1	1.3E+02	c	1.6E+03	n					1.7E-02	n
						5.0E-03	I		Molybdenum	7439-98-7	3.9E+02	c	5.8E+03	n					2.0E+00	n
									Monochloramine	10599-90-7	7.8E+03	c	1.2E+05	nm					4.0E+03(G)	
							2.0E-03	P	Monomethylaniline	100-61-8	1.3E+02	c	1.6E+03	n					1.4E-02	n
							2.5E-02	I	Myclobutanil	88671-89-0	1.6E+03	c	2.1E+04	n					5.6E+00	n
							3.0E-04	X	N,N-Diphenyl-1,4-benzenediamine	74-31-7	1.9E+01	c	2.5E+02	n					3.7E-01	n
							2.0E-03	I	Naled	300-76-5	1.6E+02	c	2.3E+03	c					1.8E-02	n
							3.0E-02	X	Naphtha, High Flash Aromatic (HFAN)	64742-95-6	2.3E+03	c	3.5E+04	c	1.0E+02	n	4.4E+02	n	1.5E+02	n
1.8E+00	C	0.0E+00	C			1.2E-01	O		Naphthylamine, 2-	91-59-8	3.0E-01	c	1.3E+00	c					2.0E-04	c
9.1E-01	C	2.6E-04	C			1.1E-02	C	1.4E-05	Napropamide	15299-99-7	7.6E+03	c	9.8E+04	c					1.3E+01	n
						1	0.1	Nickel Acetate	373-02-4	6.0E-01	c	2.5E+00	c	1.1E-02	c**	4.7E-02	c**	8.6E-02	c	
9.1E-01	C	2.6E-04	C			1.1E-02	C	1.4E-05	Nickel Carbonate	3333-67-3	6.0E-01	c	2.6E+00	c	1.1E-02	c**	4.7E-02	c**	8.6E-02	c
9.1E-01	C	2.6E-04	C			1.1E-02	C	1.4E-05	Nickel Carbonyl	13463-39-3	7.6E-01	c	3.6E+00	c	1.1E-02	c**	4.7E-02	c**	1.7E-05	c
9.1E-01	C	2.6E-04	C			1.1E-02	C	1.4E-05	Nickel Hydroxide	12054-48-7	7.6E-01	c	3.6E+00	c	1.1E-02	c**	4.7E-02	c**	7.6E-02	c
9.1E-01	C	2.6E-04	C			1.1E-02	C	1.4E-05	Nickel Oxide	1313-99-1	7.6E-01	c	3.6E+00	c	1.1E-02	c**	4.7E-02	c**	7.6E-02	c
9.1E-01	C	2.4E-04	I			1.1E-02	C	1.4E-05	Nickel Refinery Dust	E71552	7.6E-01	c	3.6E+00	c	1.2E-02	c**	5.1E-02	c**	8.3E-02	c
9.1E-01	C	2.4E-04	I			1.1E-02	C	1.4E-05	Nickel Soluble Salts	7440-02-0	1.5E+03	c	2.2E+04	c	1.1E-02	c**	4.7E-02	c**	3.9E+02	n
1.7E+00	C	4.8E-04	I			1.1E-02	C	1.4E-05	Nickel Sulfide	12035-72-2	4.1E-01	c	1.9E+00	c	5.8E-03	c**	2.6E-02	c**	4.5E-02	c
9.1E-01	C	2.6E-04	C			1.1E-02	C	1.4E-05	Nickelocene	1271-28-9	6.0E-01	c	2.5E+00	c	1.1E-02	c**	4.7E-02	c**	8.6E-02	c
						1.6E+00	I		Nitrate (measured as nitrogen)	14797-65-0	1.3E+05	nm	1.9E+06					1.0E+04		
							1.0E-01	I	Nitrate + Nitrite (measured as nitrogen)	E701177	7.8E+03	n	1.2E+05	nm					1.0E+03	
							1.0E-02	X	Nitroaniline, 2-	88-74-4	6.3E+02	c	8.0E+03	c	5.2E-02	n	2.2E-01	n	1.9E+02	n
2.0E-02	P					4.0E-03	P	6.0E-03	Nitroaniline, 4-	100-01-6	2.7E+01	c**	1.1E+02	c*	6.3E+00	n	2.6E+01	c	3.8E+00	c*
4.0E-05	I					2.0E-03	I	9.0E-03	Nitrobenzene	98-95-3	5.1E+00	c*	2.2E+01	c*	7.0E-02	c	3.1E-01	c	9.2E-05	c*
						3.0E-03	P		Nitrocellulose	9004-70-0	1.9E+08	c	2.5E+09	nm					1.3E+04	n
1.3E+00	C	3.7E-04	C			7.0E-02	H		Nitrofurantoin	67-20-9	4.4E+03	c	5.7E+04	n					6.1E-01	n
1.7E-02	P					1.0E-04	P		Nitrofurazone	59-87-0	4.2E-01	c	1.8E+00	c	7.6E-03	c	3.3E-02	c	5.4E-05	c
									Nitroglycerin	55-63-0	6.3E+00	c	8.2E+01	c					8.5E-04	n
						1.0E-01	I	1	Nitroguanidine	556-88-7	6.3E+03	c	8.2E+04	n					4.8E-01	n
						5.0E-06	P	5.0E-03	Nitromethane	75-52-5	5.4E+00	c*	2.4E+01	c*	3.2E-01	c*	1.4E+00	c*	4.6E-01	c*
						5.8E-04	X	2.0E-02	Nitrop propane, 2-	79-49-6	6.4E-02	c	4.8E-03	c	2.1E-02	c	9.7E-03	c	2.5E-06	c
2.7E+01	C	7.7E-03	C			1	0.1		Nitroso-N-ethylurea, N-	759-73-9	4.5E-03	c	8.5E-02	c	1.3E-04	c	1.6E-03	c	9.2E-04	c
1.2E+02	C	3.4E-02	C			1	0.1		Nitroso-N-methylurea, N-	684-93-5	1.0E-03	c	1.9E-02	c	3.0E-05	c	3.6E-04	c	2.1E-04	c
5.4E+00	I	1.6E-03	I			V	1	0.1	Nitroso-di-N-butylamine, N-	924-16-3	9.9E-02	c	4.6E-01	c	1.8E-03	c	7.7E-03	c	5.5E-06	c
									Nitroso-N-propylamine, N-	621-64-7	7.8E-02	c	3.3E-01	c	1.4E-03	c	6.1E-03	c	8.1E-06	c
									Nitroso-diethylamine, N-	111-54-7	1.9E-01	c	8.2E-01	c	3.5E-03	c	1.5E-02	c	5.6E-06	c
									Nitroso-diethylamine, N-	55-18-5	8.1E-04	c	1.5E-02	c	2.4E-05	c	2.9E-04	c	6.1E-08	c
5.1E+01	I	1.4E-02	I			1.0E-06	P	4.0E-05	Nitrosodimethylamine, N-	627-75-9	2.0E-03	c	3.4E-02	c	7.2E-05	c	8.8E-04	c	1.1E-04	c
4.9E-03	I	1.2E-06	C						Nitrosodiphenylamine, N-	86-30-6	1.1E+02	c	4.7E+02	c	1.1E+00	c	4.7E+00	c	1.2E+01	c
2.2E+01	I	6.3E-03	C			V	1	0.1</td												

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.																				
Toxicity and Chemical-specific Information								Contaminant				Screening Levels						Protection of Ground Water SSIs		
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub>	IUR (ug/m <sup>3</sup> ) <sup>y</sup>	k <sub>e</sub>	RFD <sub>s</sub> (mg/kg-day)	k <sub>e</sub>	RfC <sub>s</sub> (mg/m <sup>3</sup> ) <sup>y</sup>	k <sub>v</sub> mutagen	C <sub>sat</sub> (mg/kg)	GIABS	ABS <sub>d</sub>	Analyte	CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)
7.3E-02	O	3.0E-02	O			1	0.1	Oxyfluorfen	42874-03-3	7.4E+00	c	3.1E+01	c	5.4E+01	c	4.3E-02	c			
		1.3E-02	I			1	0.1	Pacobutrazol	76738-62-0	8.2E+02	n	1.1E+04	n	2.3E+02	n	4.6E-01	n			
		4.5E-03	I			1	0.1	Paraquat Dichloride	1910-42-5	2.8E+02	n	3.7E+03	n	9.0E+01	n	1.2E+00	n			
		6.0E-03	H			1	0.1	Parathion	56-38-2	3.8E+02	n	4.9E+03	n	8.6E+01	n	4.3E-01	n			
		5.0E-02	H			V	1	Pebulate	1114-71-2	3.9E+03	n	5.8E+04	n	5.6E+02	n	4.5E-01	n			
		3.0E-01	O			1	0.1	Pendimethalin	40467-42-1	1.9E+04	n	2.5E+05	nm	1.4E+03	n	1.6E+01	n			
		2.0E-03	I			V	1	Pentabromodiphenyl Ether	32534-81-9	1.6E+02	ns	2.3E+03	ns	4.0E+01	n	1.7E+00	n			
		1.0E-04	I			1	0.1	Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	6.3E+00	n	8.2E+01	n	2.0E+00	n	8.7E-02	n			
		8.0E-04	I			V	1	Pentachlorobenzene	608-93-5	6.3E+01	n	9.3E+02	n	3.2E+00	n	2.4E-02	n			
		9.0E-02	P			V	1	Pentachloroethane	76-01-7	7.7E+00	c	3.6E+01	c	6.5E-01	c	3.1E-04	c			
		2.6E-01	H			V	1	Pentachloronitrobenzene	82-68-8	2.7E+00	c*	1.3E+01	c	1.2E-01	c	1.5E-03	c			
		4.0E-01	I	5.1E-06	C		1	Pentachlorophenol	87-86-5	1.0E+00	c	4.0E+00	c	5.5E-01	c	4.1E-02	c			
		4.0E-03	X			P	1	Pentaerythritol tetrahydrate (PETN)	78-11-5	1.3E+02	n	5.7E+02	c**	1.9E+01	c**	1.0E+00	1.4E-03			
		1.0E+00	P			V	1	Pentane, n-Perchlorates	109-66-0	8.1E+02	ns	3.4E+03	ns	1.0E+03	n	4.4E+03	n			
		7.0E-04	I				1	-Ammonium Perchlorate	7790-98-9	5.5E+01	n	8.2E+02	n	1.4E+01	n					
		7.0E-04	I				1	-Lithium Perchlorate	7791-03-9	5.5E+01	n	8.2E+02	n	1.4E+01	n					
		7.0E-04	I				1	-Perchlorate and Perchlorate Salts	14797-73-0	5.5E+01	n	8.2E+02	n	1.4E+01	n	1.5E+01(G)				
		7.0E-04	I				1	-Potassium Perchlorate	7778-74-7	5.5E+01	n	8.2E+02	n	1.4E+01	n					
		7.0E-04	I				1	-Sodium Perchlorate	7801-89-0	5.5E+01	n	8.2E+02	n	1.4E+01	n					
		2.0E-02	P				1	Perfluorobutane sulfonic acid (PFBS)	375-73-5	1.3E+03	n	1.6E+04	n	4.0E+02	n	1.3E-01	n			
		2.0E-02	P				1	Perfluorobutanesulfonate	45187-15-3	1.3E+03	n	1.6E+04	n	4.0E+02	n	1.3E-01	n			
		5.0E-02	I				1	Permethrin	52645-53-1	3.2E+03	n	4.1E+04	n	1.0E+03	n	2.4E+02	n			
		2.4E-01	O				1	Phenacetin	62-44-2	2.5E+02	c	1.0E+03	c	4.5E+00	c	3.4E+01	c			
		3.0E-01	I	2.0E-01	C		1	Phenacetylaminobutyric acid	13684-63-4	1.5E+04	n	2.0E+05	nm	3.8E+03	n	2.1E+01	n			
		4.0E-03	I				1	Phenol	108-95-2	1.9E+04	n	2.5E+05	nm	2.1E+02	n	8.8E+02	n			
		5.0E-04	X				1	Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1	2.5E+02	n	3.3E+03	n	7.8E+01	n	2.5E-02	n			
		2.0E-04	X				1	Phenothiazine	92-84-2	3.2E+01	n	4.1E+02	n	4.3E+00	n	1.4E-02	n			
		2.0E-04	X				1	Phenyl Isothiocyanate	103-72-0	1.6E+02	c	2.3E+02	ns	2.6E+00	n	1.7E-03	n			
		6.0E-03	I				1	Phenylenediamine, m-	108-45-2	3.8E+02	n	4.9E+03	n	1.2E+02	n	3.2E-02	n			
		4.0E-03	P				1	Phenylenediamine, o-	95-54-5	4.5E+00	c*	1.9E+01	c	6.5E-01	c	1.7E-04	c			
		1.0E-03	X				1	Phenylenediamine, p-	106-50-3	6.3E+01	n	8.2E+02	n	2.0E+01	n	5.4E-03	n			
		2.0E-04	H				1	Phenylphenol, 2-Phorate	90-43-7	2.8E+02	c	1.2E+03	c	3.0E+01	c	4.1E-01	c			
		3.0E-04	I				1	Phosgene	75-44-5	3.1E-01	n	1.3E+00	n	3.1E-01	n	3.4E-03	n			
		2.0E-02	I				1	Phosmet	732-11-6	1.3E+03	n	1.6E+04	n	3.7E+02	n	8.2E-02	n			
		4.9E+01	P				1	Phosphates, Inorganic	13776-88-0	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Aluminum metaphosphate	68333-79-9	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Ammonium polyphosphate	68333-79-9	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Calcium pyrophosphate	7790-76-3	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Diammonium phosphate	7782-28-0	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Dicalcium phosphate	7757-93-9	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Dimagnesium phosphate	7782-75-4	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Dipotassium phosphate	7758-11-4	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Disodium phosphate	7558-79-4	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Monocalcium phosphate	13530-50-2	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Monomagnesium phosphate	7722-76-1	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Monopotassium phosphate	7778-77-0	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Monosodium phosphate	7558-23-8	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Polyphosphoric acid	7757-80-0	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Potassium tripolyphosphate	13845-36-8	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium acyl pyrophosphate	7758-16-9	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium aluminum phosphate (acidic)	7785-88-8	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium aluminum phosphate (anhydrous)	10279-59-1	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium aluminum phosphate (tetrahydrate)	10305-76-7	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium hexametaphosphate	10124-56-8	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium polyphosphate	68915-31-1	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium trimetaphosphate	7785-84-4	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Sodium tripolyphosphate	7758-29-4	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Tetrapotassium phosphate	7320-34-5	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Tetrásodium pyrophosphate	7722-88-5	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Triallylumium sodium tetra decahydrogenoctaphosphate (dihydrate)	15136-87-5	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Tricalcium phosphate	7758-87-4	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Trimagnesium phosphate	7757-87-1	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Tripotassium phosphate	7778-53-2	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		4.9E+01	P				1	-Trisodium phosphate	7601-54-9	3.8E+06	nm	5.7E+07	nm	9.7E+05	n					
		3.0E-04	I	3.0E-04	I	V	1	Phosphine	7803-51-2	2.3E+01	n	3.5E+02	n	3.1E-01	n	5.7E-01	n			
		4.9E+01	P	1.0E-02	I		1	Phosphoric Acid	7664-38-2	3.0E+06	nm	2.9E+07	nm	1.0E+01	n	4.4E+01	n			
		2.0E-05	I			V	1	Phosphorus, White Phthalates	7723-14-0	1.6E+00	n	2.3E+01	n	4.0E-01	n	1.5E-03	n			
		2.0E-02	I				1	Bis(2-ethylhexyl)phthalate	117-81-7	3.9E+01	c*	1.6E+02	c	1.2E+00	c	5.6E+00	c*			
		2.0E-01	I				1	-Butyl Benzyl Phthalate	85-68-7	2.9E+02	c*	1.2E+03	c	1.6E+01	c	2.4E-01	c			
		1.0E+00	I				1	-Butylphthalyl Butylglycolate	85-70-1	6.3E+04	n	8.2E+05	nm	1.3E+04	n	3.1E+02	n			
		1.0E-01	I				1	-Dibutyl Phthalate</												

Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2020 (corrected)

Toxicity and Chemical-specific Information																				Contaminant		Screening Levels										Protection of Ground Water SSL	
SFO (mg/kg-day) <sup>1</sup>	k <sub>e</sub> y	IUR (ug/m <sup>3</sup> ) <sup>1</sup>	k <sub>e</sub> y	RfD <sub>o</sub> (mg/kg-day)	k <sub>e</sub> y	v <sub>o</sub> I	mutagen	GIABS	ABSe	C <sub>sat</sub> (mg/kg)	Analyte				CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg)	MCL-based SSL (mg/kg)										
											-Dimethylterephthalate				120-61-6	7.8E+03	n	1.2E+05	nm	1.9E+03	n	4.9E-01	n										
											-Octyl Phthalate, di-N-				117-84-0	6.3E+02	n	8.2E+03	n	2.0E+02	n	5.7E+01	n										
											-Phthalic Acid, P-				100-21-0	6.3E+04	n	8.2E+05	nm	1.9E+04	n	6.9E+00	n										
											-Phthalic Anhydride				85-44-9	1.3E+05	n	1.6E+06	nm	2.1E+01	n	8.5E+00	n										
											Picloram				1918-02-1	4.4E+03	n	5.7E+04	n	1.4E+03	n	3.8E-01	n										
											Picramic Acid (2-Amino-4,6-dinitrophenol)				96-91-3	6.3E+00	n	8.2E+01	n	2.0E+00	n	1.3E-03	n										
											Picric Acid (2,4,6-Trinitrophenol)				88-89-1	5.7E+01	n	7.4E+02	n	1.8E+01	n	8.4E-02	n										
											Pirimiphos, Methyl				29232-93-7	4.4E+00	n	5.7E+01	n	8.5E-01	n	8.1E-04	n										
3.0E+01	C	8.6E-03	C	7.0E-06	H					1	Polybrominated Biphenyls				36355-01-8	1.8E-02	c*	7.7E-02	c*	3.3E-04	c	1.4E-03	c	2.6E-03	c*								
											Polychlorinated Biphenyls (PCBs)													2.1E-02	c**								
											-Aroclor 1016				12674-11-2	4.1E+00	n	2.7E+01	c**	1.4E-01	c	6.1E-01	c	2.2E-01	c**								
											-Aroclor 1221				11104-28-2	2.0E-01	c	8.3E-01	c	4.9E-03	c	2.1E-02	c	4.7E-03	c								
											-Aroclor 1232				11141-16-5	1.7E-01	c	7.2E-01	c	4.9E-03	c	2.1E-02	c	4.7E-03	c								
											-Aroclor 1242				53469-21-9	2.3E-01	c	9.5E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c								
											-Aroclor 1248				12672-29-6	2.3E-01	c	9.4E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c								
											-Aroclor 1254				11097-69-1	2.4E-01	c*	9.7E-01	c*	4.9E-03	c	2.1E-02	c	7.8E-03	c*								
											-Aroclor 1260				11096-92-5	2.4E-01	c	9.9E-01	c	4.9E-03	c	2.1E-02	c	7.8E-03	c								
											-Aroclor 5460				11126-42-4	4.4E+01	n	4.4E+02	n	1.2E+01	n	2.8E+01	c	2.8E-03	c								
											-Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)				39635-31-9	1.3E-01	c*	5.2E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)				52663-72-6	1.2E-01	c*	5.1E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)				69782-90-7	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156)				38380-08-4	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 169)				32774-16-6	1.2E-04	c	5.1E-04	c	2.5E-06	c	1.1E-05	c	4.0E-06	c								
											-Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 123)				65510-44-3	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Pentachlorobiphenyl, 2,3',4,4',5'- (PCB 118)				31508-00-6	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 105)				32598-14-4	1.2E-01	c*	4.9E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 114)				74472-37-0	1.2E-01	c*	5.0E-01	c*	2.5E-03	c	1.1E-02	c	4.0E-03	c								
											-Pentachlorobiphenyl, 2,3,3',4,4',5'- (PCB 126)				57465-28-8	3.6E-05	c	1.5E-04	c	7.4E-07	c	3.2E-06	c	1.2E-06	c								
											-Polychlorinated Biphenyls (high risk)				1336-36-3	2.3E-01	c	9.4E-01	c	2.1E-02	c			5.0E-01	3.0E-07								
											-Polychlorinated Biphenyls (low risk)				1336-36-3					2.8E-02	c	1.2E-01	c	4.4E-02	c								
											-Polychlorinated Biphenyls (lowest risk)				1336-36-3					1.4E-01	c	6.1E-01	c	5.0E-01	5.0E-01								
											-Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)				32598-13-3	3.8E-02	c*	1.6E-01	c*	7.4E-04	c	3.2E-03	c	6.0E-03	c*								
											-Tetrachlorobiphenyl, 3,3',4,4'- (PCB 81)				70362-50-4	1.2E-02	c*	4.8E-02	c*	2.5E-04	c	1.1E-03	c	4.0E-04	c								
											Polymeric Methylene Diphenyl Diisocyanate (PMDI)				9016-87-9	8.5E+05	nm	3.6E+06	nm	6.3E-01	n	2.6E+00	n										
											Polynuclear Aromatic Hydrocarbons (PAHs)																						
											-Acenaphthene				83-32-9	3.6E+03	n	4.5E+04	n	1.5E+02	n	5.3E+02	n	5.5E+00	n								
											-Anthracene				120-12-7	1.8E+04	n	2.3E+05	nm	1.8E+03	n	5.8E+01	n	1.1E-02	c								
											-Benz[a]anthracene				56-55-3	1.1E+00	c	2.1E+01	c	1.7E-02	c	2.0E-01	c	3.0E-02	c								
											-Benz[j]fluoranthene				205-82-3	4.2E-01	c	1.8E+00	c	2.6E-02	c	1.1E-01	c	4.5E-02	c								
											-Benz[a]pyrene				50-32-8	1.1E-01	c	2.1E+00	c	1.7E-03	c**	8.8E-03	n	2.5E-02	c								
											-Benz[b]fluoranthene				205-99-2	1.1E+00	c	2.1E+01	c	1.7E-02	c	2.0E-01	c	3.0E-01	c								
											-Benz[k]fluoranthene				207-08-9	1.1E+01	c	2.1E+02	c	1.7E-01	c	2.0E+00	c	2.5E+00	c								
											-Chloronaphthalene, Beta-				91-58-7	4.8E+03	n	6.0E+04	n	1.2E-01	c	7.5E+02	n	3.9E+00	n								
											-Chrysene				218-01-9	1.1E+02	c	2.1E+03	c	1.7E+00	c	2.0E+01	c	2.5E+01	c								
											-Dibenzo[a,h]anthracene				53-70-3	1.1E-01	c	2.1E+00	c	1.7E-03	c	2.0E-02	c	2.5E-02	c								
											-Dibenzo[a,e]pyrene				192-65-4	4.2E-02	c	1.8E-01	c	2.6E-03	c	1.1E-02	c	6.5E-03	c								
											-Dimethylbenz[a]anthracene, 7,12-				57-97-6	4.6E-04	c	8.4E-03	c	1.4E-05	c	1.7E-04	c	1.0E-04	c								
											-Fluoranthene				206-44-0	2.4E+03	n	3.0E+04	n			8.0E+02	n	8.9E+01	n								
											-Fluorene				86-73-7	2.4E+03	n	3.0E+04	n			2.9E+02	n	5.4E+00	n								
											-Indeno[1,2,3-cd]pyrene				193-39-5	1.1E+00	c	2.1E+01	c	1.7E-02	c	2.0E-01	c	9.8E-01	c								
											-Methylnaphthalene, 1-				90-12-0	1.8E+01	c	7.3E+01	c	1.1E+00	c			6.0E-03	c								
											-Methylnaphthalene, 2-				91-57-6	2.4E+02	n	3.0E+03	n			3.6E+01	n	1.9E-01	n								
											-Naphthalene				91-20-3	2.0E+00	c*	8.6E+00	c*	8.3E-02	c*	3.6E-01	c	3.8E-04	c*								
											-Nitroprene, 4-				57835-92-4	4.2E-01	c	1.8E+00	c	2.6E-02	c	1.1E-01	c	1.9E-02	c								
											-Pyrene				3.0E-02	1.8E+03	n	2.3E+04	n			1.2E+02	n	3.5E-03	c								
											-Potassium Perfluorobutane Sulfonate				29420-49-3	1.3E+03	c	1.6E+04	n			4.0E+02	n	1.3E+01	n								
											-Prochloraz				67747-09-5																		

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Contaminant						
Toxicity and Chemical-specific Information															Screening Levels						
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub> IUR (ug/m <sup>3</sup> ) <sup>y</sup>	k <sub>e</sub> RfD <sub>b</sub> y (mg/kg-day)	k <sub>e</sub> RfC <sub>b</sub> y (mg/m <sup>3</sup> )	k <sub>v</sub> mutagen	C <sub>sat</sub> GIABS	C <sub>sat</sub> ABS <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte			CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)		
3.0E+00	I				1	0.1		Quinoline	91-22-5	1.8E-01	c	7.7E-01	n		2.4E-02	c	7.8E-05	c			
	9.0E-03	I			1	0.1		Quiazolof-ethyl Refractory Ceramic Fibers (units in fibers)	76578-14-8 E715557	5.7E+02	n	7.4E+03		3.1E+04	G	1.3E+05	G	1.9E+00	n		
	3.0E+04	A			1	0.1		Resmethrin	10453-86-8	1.9E+03	n	2.5E+04	n		6.7E+01	n	4.2E+01	n			
	3.0E-02	I			1	0.1		Ronnel	299-84-3	3.9E+03	n	5.8E+04	n		4.1E+02	n	3.7E+00	n			
	5.0E-02	H	V		1			Rotenone	83-79-4	2.5E+02	n	3.3E+03	n		6.1E+01	n	3.2E+01	n			
2.2E-01	C	6.3E-05	C		M	1	0.1	Safrole	94-59-7	5.5E-01	c	1.0E+01	c	1.6E-02	c	1.9E-01	c	9.6E-02	c		
	5.0E-03	I			1			Selenious Acid	7783-08-8	3.9E+02	n	5.8E+03	n		1.0E+02	n		5.9E-05	c		
	5.0E-03	I	2.0E-02	C	1			Selenium	7782-49-2	3.9E+02	n	5.8E+03	n	2.1E+01	n	8.8E+01	n	1.0E+02			
	5.0E-03	C	2.0E-02	C	1			Selenium Sulfide	7446-34-6	3.9E+02	n	5.8E+03	n	2.1E+01	n	8.8E+01	n	1.0E+02			
	1.4E-01	O			1	0.1		Sethoxydim	74051-80-2	8.8E+03	n	1.1E+05	nm		1.6E+03	n		1.4E+01	n		
	3.0E-03	C			1			Silica (crystalline, respirable)	7631-86-9	4.3E+06	nm	1.8E+07	nm	3.1E+00	n	1.3E+01	n				
1.2E-01	H					0.04		Silver	7440-22-4	3.9E+02	n	5.8E+03	n		9.4E+01	n	8.0E-01	n			
	5.0E-03	I			1	0.1		Simazine	122-34-9	4.5E+00	c*	1.9E+01	c		6.1E-01	n	3.0E-04	c	2.0E-03		
	1.3E-02	I			1	0.1		Sodium Acifluorfen	62476-59-6	8.2E+02	n	1.1E+04	n		2.6E+02	n	2.1E+00	n			
	4.0E-03	I			1			Sodium Azide	26628-22-8	3.1E+02	n	4.7E+03	n		8.0E+01	n					
2.7E-01	H							Sodium Diethyldithiocarbamate	148-18-5	2.0E+00	c	8.5E+00	c		2.9E+01	c					
	5.0E-02	I	1.3E-02	C	1			Sodium Fluoride	7681-49-4	3.9E+03	n	5.8E+04	n	1.4E+01	n	5.7E+01	n	1.0E+03			
	2.0E-05	I			1	0.1		Sodium Fluoroacetate	62-74-8	1.3E+00	n	1.6E+01	n		4.0E-01	n		8.1E-05	n		
	1.0E-03	H			1			Sodium Metavanadate	13718-26-8	7.8E+01	n	1.2E+03	n		2.0E+01	n					
	8.0E-04	P			1			Sodium Tungstate	13472-45-2	6.3E+01	n	9.3E+02	n		1.6E+01	n					
2.4E-02	H							Sodium Tungstate Dihydrate	10213-10-2	6.3E+01	n	9.3E+02	n		1.6E+01	n					
	3.0E-02	I			1	0.1		Stirofos (Tetrachloroviphos)	961-11-5	2.3E+01	c*	9.6E+01	c		2.8E+00	c		8.2E-03	c		
	6.0E-01	I			1			Strontium, Stable	7440-24-6	4.7E+04	n	7.0E+05	nm		1.2E+04	n	4.2E+02	n			
	3.0E-04	I	1.0E+00	I	V	1	8.7E+02	Styrene	57-24-9	1.9E+01	n	2.5E+02	n		5.9E+00	n	6.5E-02	n			
	2.0E-01	P			1			Styrene-Acrylonitrile (SAN) Trimer (THNA isomer)	100-42-5	6.0E+03	ns	3.5E+04	ns	1.0E+03	n	4.4E+03	n	1.2E+03		1.0E+02	
	3.0E-03	P			1	0.1		Styrene-Acrylonitrile (SAN) Trimer (THNP isomer)	57964-39-3	1.9E+02	n	2.5E+03	n		4.8E+01	n					
	3.0E-03	P			1	0.1		Sulfalone	126-33-0	1.9E+01	c	8.2E+02	n	2.1E+00	n	8.8E+00	n	2.0E+01	n	4.4E-03	
	1.0E-03	P	2.0E-03	X	1	0.1		Sulfonylbenzis(4-chlorobenzene), 1,1'-	80-07-9	5.1E+01	c	6.6E+02	n		1.1E+01	n	6.5E-02	n			
	1.0E-03	C	V		1			Sulfur Trioxide	7446-11-9	1.4E+06	nm	6.0E+06	nm		2.1E+00	n					
	1.0E-03	C	V		1			Sulfuric Acid	7664-93-9	1.4E+06	n	6.0E+06	nm	1.0E+00	n	4.4E+00	n	2.0E+00			
2.5E-02	I	7.1E-06	I	5.0E-02	H	1	0.1	Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylpropyl)phenoxy]-1-methylethyl	140-57-8	2.2E+01	c	9.2E+01	c	4.0E-01	c	1.7E+00	c	1.5E-02	c		
	3.0E-02	H			1			TCTMB	21564-17-0	1.9E+03	c	2.5E+04	n		4.8E+02	n	3.3E+00	n			
	7.0E-02	I			1	0.1		Tebuthuron	34014-18-1	4.4E+03	n	5.7E+04	n		1.4E+03	n	3.9E-01	n			
	2.0E-02	H			1	0.1		Temephos	3383-96-4	1.3E+03	n	1.6E+04	n		4.0E+02	n	7.6E+01	n			
	1.3E-02	I			1	0.1		Terbacil	5902-51-2	8.2E+02	n	1.1E+04	n		2.5E+02	n	7.5E-02	n			
	2.5E-05	H	V		1	3.1E+01		Terbufos	13071-79-9	2.0E+00	c	2.9E+01	n		2.4E+01	n	5.2E-04	n			
	1.0E-03	I			1	0.1		Terbutryn	886-50-0	6.3E+01	c	8.2E+02	n		1.3E+01	n	1.9E-02	n			
5.0E-03	C	1.3E-06	C					Tert-Butyl Acetate	540-88-5	8.1E+00	c	3.6E+01	c	2.2E+00	c	9.4E+00	c	7.6E-04	c		
	1.0E-04	I			1	0.1		Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	6.3E+00	n	8.2E+01	n		2.0E+00	n	5.3E-02	n			
	3.0E-04	I	V		1			Tetrachlorobenzene, 1,2,4,5-	95-94-3	2.3E+01	n	3.5E+02	n		1.7E+00	n	7.9E-03	n			
2.6E-02	I	7.4E-06	I	3.0E-02	I	V	1	Tetrachloroethane, 1,1,1,2-	630-20-6	2.0E+00	c	8.8E+00	c	3.8E-01	c	1.7E+00	c	8.8E-04	c		
2.0E-01	I	5.8E-05	C	2.0E-02	I	V	1	Tetrachloroethane, 1,1,2,2-	79-34-5	6.0E-01	c	2.7E+00	c	4.8E-02	c	2.1E-01	c	7.6E-02	c		
2.1E-03	I	2.6E-07	I	6.0E-03	I	V	1	Tetrachloroethylene	127-18-4	2.4E+01	c**	1.1E+01	c**	4.7E+01	c**	1.1E+01	c**	5.1E-03	c**	2.3E-03	
	3.0E-02	I			1	0.1		Tetrachlorophenol, 2,3,4,6-	558-90-2	1.9E+03	n	2.5E+04	n		2.4E+02	n	1.8E-01	n			
	6.0E-05	X	V		1			Tetrachlorotoluene, p-, alpha, alpha-, alpha-Tetraethyl Dithiopyrophosphate	5216-25-1	4.3E-02	c	2.0E+01	c		1.7E-03	c	5.7E-06	c			
	5.0E-04	I			1	0.1		Thallium Oxide	3689-24-5	3.2E+01	n	4.1E+02	n		7.1E+00	n	5.2E-03	n			
	8.0E+00	I	V		1	2.1E+03		Tetrafluoroethane, 1,1,1,2-	811-97-2	1.0E+05	nm	4.3E+05	nm	8.3E+04	n	3.5E+05	n	1.7E+05	n	9.3E+01	
	2.0E-03	P			1	0.00065		Tetryl (Trinaphthalimethylnitramine)	47945-8	1.6E+02	n	2.3E+03	n		3.9E+01	n	3.7E-01	n			
	2.0E-05	G			1			Thallium Oxide	1314-32-5	1.6E+00	n	2.3E+01	n		4.0E+01	n					
	1.0E-05	X			1			Thallium (I) Nitrate	10102-45-1	7.8E-01	n	1.2E+01	n		2.0E-01	n					
	1.0E-05	X			1			Thallium (Soluble Salts)	7440-28-0	7.8E-01	n	1.2E+01	n		2.0E-01	n					
	1.0E-05	X	V		1			Thallium Acetate	563-68-8	7.8E-01	n	1.2E+01	n		2.0E-01	n					
	2.0E-05	X	V		1			Thallium Carbonate	6533-73-9	1.6E+00	n	2.3E+01	n		4.0E-01	n		8.3E-05	n		
	1.0E-05	X			1			Thallium Chloride	7791-12-0	7.8E-01	n	1.2E+01	n		2.0E-01	n					
	1.0E-05	G			1			Thallium Selenite	12039-52-0	7.8E-01	n	1.2E+01	n		2.0E-01	n					
	2.0E-05	X			1			Thallium Sulfate	7446-18-4	1.6E+00	n	2.3E+01	n		4.0E-01	n					
	4.3E-02	O			1	0.1		Thibensulfuron-methyl	79277-27-3	2.7E+03	n	3.5E+04	n		8.6E+02	n		2.6E-01	n		
	1.0E-02	I			1	0.1		Thiobencarb	28247-77-6	6.3E+02	n	8.2E+03	n		1.6E+02	n		5.5E-01	n		
	7.0E-02	X			1	0.0075		Thiodiglycol	111-48-8	5.4E+03	n	7.9E+04	n		1.4E+03	n		2.8E-01	n		
	3.0E-04	H			1	0.1		Thiophanox	39196-18-4	1.9E+01	n	2.5E+02	c		5.3E+00	n		1.8E-03	n		
	2.7E-02	O			1	0.1		Thiophanate, Methyl	23564-05-8	4.7E+01	c*	2.0E+02	c								

Regional Screening Level (RSL) Summary Table (TR=1E-06, HQ=1) May 2020 (corrected)

Key: I = IRIS; P = PPRTV; O = OPP; A = ATSDR; C = Cal EPA; X = PPRTV Screening Level; H = HEAST; W = TEF applied; E = RPF applied; G = user's guide Section 5; M = mutagen; V = volatile; R = RBA applied ; c = cancer; n = noncancer; * = where: n SL < 100x c SL; ** = where n SL < 10x c SL; SSL values are based on DAF=1; m = ceiling limit exceeded; s = Csat exceeded.															Contaminant												
Toxicity and Chemical-specific Information															Screening Levels												
SFO (mg/kg-day) <sup>-1</sup>	k <sub>e</sub> y	IUR (ug/m <sup>3</sup> ) <sup>y</sup>	k <sub>e</sub> y	RFD <sub>b</sub> (mg/kg-day)	k <sub>e</sub> y	RfC <sub>b</sub> (mg/m <sup>3</sup> ) <sup>y</sup>	k <sub>v</sub> I	mutagen	GIABS	ABS <sub>d</sub>	C <sub>sat</sub> (mg/kg)	Analyte	CAS No.	Resident Soil (mg/kg) key	Industrial Soil (mg/kg) key	Resident Air (ug/m <sup>3</sup> ) key	Industrial Air (ug/m <sup>3</sup> ) key	Tapwater (ug/L) key	MCL (ug/L)	Risk-based SSL (mg/kg) key	MCL-based SSL (mg/kg)						
				4.0E-03	P	3.0E-02	P	V	1	1.8E+03		Total Petroleum Hydrocarbons (Aromatic Low)	E1790672	8.2E+01	n	4.2E+02	n	3.1E+01	n	1.3E+02	n	3.3E+01	n	1.7E-02	n		
1.1E+00	I	3.2E-04	I	4.0E-03	P	3.0E-03	P	V	1	0.13		Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674	9.7E+01	n	5.6E+02	n	3.1E+00	n	1.3E+01	n	5.5E+00		2.3E-02	n		
				9.0E-05	P	2.0E-02	P	V	1	0.1		Toxaphene	8001-35-2	4.9E-01	c*	2.1E+00	c*	8.8E-03	c	3.8E-02	c	7.1E-02	c*	1.1E-02	c*		
				3.0E-05	X	1	0.1					Toxaphene, Weathered	E1841606	1.9E+00	n	2.5E+01	n					6.0E-01		3.0E+00	4.6E-01		
				7.5E-03	I	1	0.1					Tralomethrin	66841-25-6	4.7E+02	n	6.2E+03	n					1.5E+02	n	5.8E+01	n		
7.2E-02	O	3.2E-04	I	3.0E-04	A	1	V		1	0.1		Tri-n-butyltin	668-73-3	2.3E+01	n	3.5E+02	n					3.7E+00	n	8.2E-02	n		
				8.0E+01	X	1	0.1					Triacetin	102-76-1	5.1E+06	nm	6.6E+07	nm					1.6E+06	n	4.5E+02	n		
				3.4E-02	O	1	0.1					Triadimefon	43121-43-3	2.1E+03	n	2.8E+04	n					6.3E+02	n	5.0E-01	n		
				2.5E-02	O	1	V		1	0.1		Triallate	2303-17-5	9.7E+00	c	4.6E+01	c					4.7E-01	c	1.0E-03	c		
9.0E-03	P	3.2E-04	I	1.0E-02	I	1	0.1					Triasulfuron	82097-50-5	6.3E+02	n	8.2E+03	n					2.0E+02	n	2.1E-01	n		
				8.0E-03	I	1	0.1					Tribenuron-methyl	101200-48-0	5.1E+02	n	6.6E+03	n					1.6E+02	n	6.1E-02	n		
				5.0E-03	I	1	V		1	0.1		Tribromobenzene, 1,2,4-	615-54-3	3.9E+02	n	5.8E+03	n					4.5E+01	n	6.4E-02	n		
				9.0E-03	X	1	0.1					Tribromophenol, 2,4,6-	118-79-6	5.7E+02	n	7.4E+03	n					1.2E+02	n	2.2E-01	n		
7.0E-02	I	3.2E-04	I	1.0E-02	P	1	0.1					Trityl Phosphate	126-73-8	6.0E+01	c*	2.6E+02	c*					5.2E+00	c*	2.5E-02	c*		
				3.0E-04	P	1	0.1					Tributyltin Compounds	E1790678	1.9E+01	n	2.5E+02	n					6.0E+00	n	5.7E+00	n		
				3.0E-04	I	1	0.1					Tributyltin Oxide	56-35-9	1.9E+01	n	2.5E+02	n					4.0E+00	n	2.9E+02	n		
				3.0E+01	I	5.0E+00	P	V	1	9.1E+02		Trichloramine	10025-85-1										4.0E+03(G)				
2.0E-02	I	3.2E-04	I	2.0E-02	I	1	0.1					Trichloroacetic Acid	76-13-1	6.7E+03	ns	2.8E+04	ns	5.2E+03	n	2.2E+04	n	1.0E+04	n	2.6E+01	n		
				2.0E-02	I	1	0.1					Trichloroacetic Acid	76-03-9	7.8E+00	c	3.3E+01	c					1.1E+00	c	6.0E+01(G)	2.2E-04	c	1.2E-02
2.9E-02	H	3.2E-04	I	3.0E-05	X	1	0.1					Trichloroaniline HCl, 2,4,6-	33663-50-2	1.9E+01	c	7.9E+01	c					2.7E+00	c	7.4E-03	c		
				8.0E-04	X	1	0.1					Trichloroaniline, 2,4,6-	634-93-5	1.9E+00	n	2.5E+01	n					4.0E+01	n	3.6E-03	n		
5.7E-02	I	3.2E-04	I	1.6E-05	I	1	0.1					Trichlorobenzene, 1,2,3-	87-61-6	6.3E+01	n	9.3E+00	n					7.0E+00	n	2.1E-02	n		
				2.0E-02	P	1	0.1					Trichlorobenzene, 1,2,4-	120-82-1	2.4E+01	c**	1.1E+02	c**	2.1E+00	n	8.8E+00	n	1.2E+00	c**	7.0E+01	3.4E-03	c**	2.0E-01
4.6E-02	I	3.2E-04	I	4.1E-06	I	1	0.04		1	0.1		Trichloroethylene	71-55-6	8.1E+03	ns	5.2E+03	ns	2.2E+04	n	8.0E+03	n	2.0E+02	n	2.8E+00	n	7.0E-02	n
				4.0E-01	I	1	0.04		1	0.1		Trichlorofluoromethane	75-69-4	2.3E+04	ns	3.5E+05	nm					5.2E+03	n	5.0E+00	8.9E-05	c**	1.6E-03
1.1E-02	I	3.2E-04	I	1.3E-06	P	1	0.1					Trichlorophenol, 2,4,5-	95-95-4	6.3E+03	n	8.2E+04	n					1.2E+03	n	4.0E+00	n	4.0E+00	n
				1.0E-02	I	1	0.1					Trichlorophenol, 2,4,6-	96-18-4	5.1E-03	c	1.1E-01	c	3.1E-01	n	1.3E+00	n	7.5E-04	c	4.0E-03	c**	6.8E-02	n
3.0E+01	I	3.2E-04	I	4.0E-03	I	1	0.1					Trichloropropene, 1,2,3-	93-72-1	5.1E+02	n	6.6E+03	n					1.1E+02	n	6.1E-02	2.8E-02		
				3.0E-03	X	1	0.1					Trichloropropene, 1,2,3-	96-19-5	7.3E+01	n	3.1E+00	n	3.1E-01	n	1.3E+00	n	6.2E-01		5.0E+01			
2.0E-02	A	3.2E-04	I	2.0E-02	A	1	0.1					Tricresyl Phosphate (TCP)	1330-78-5	1.3E+03	n	1.6E+04	n					1.6E+02	n	1.5E-01	n		
				3.0E-03	I	1	0.1					Tridiphane	58138-08-2	1.9E+02	n	2.5E+03	n					1.8E+01	n	1.3E-01	n		
7.7E-03	I	3.2E-04	I	7.5E-03	I	1	V		1	0.1		Triethylamine	121-44-8	1.2E+02	n	4.8E+02	n	7.3E+00	n	3.1E+01	n	1.5E+01	n	4.4E-03	n		
				2.0E+00	P	1	0.1					Triethylene Glycol	112-27-6	1.3E+05	n	1.6E+06	nm					4.0E+04	n	8.8E+00	n		
7.7E-03	I	3.2E-04	I	7.5E-03	I	1	V		1	0.1		Trifluoroethane, 1,1,1-	420-46-2	1.5E+04	n	6.2E+04	n	2.1E+04	n	8.8E+04	n	4.2E+04	n	1.3E-02	n		
				7.0E-03	P	1	0.1					Trifluralin	1582-09-0	4.2E+01	c*	4.2E+02	c*					2.6E+00	c*	8.4E-02	c*		
2.0E-02	P	3.2E-04	I	1.0E-02	P	1	0.1					Trimethyl Phosphate	512-56-1	2.7E+01	c*	1.1E+02	c*					3.9E+00	c*	8.6E-04	c*		
				1.0E-02	I	1	V		1	0.1		Trimethylbenzene, 1,2,3-	526-73-8	3.4E+02	ns	2.0E+03	ns	6.3E+01	n	2.6E+02	n	5.5E+01	n	8.1E-02	n		
3.0E-02	P	3.2E-04	I	1.0E-02	P	1	0.1					Trimethylbenzene, 1,2,4-	95-63-6	3.0E+02	n	6.3E+01	n	2.6E+02	n	5.6E+01	n	8.1E-02	n				
				1.0E-02	I	1	V		1	0.1		Trimethylbenzene, 1,3,5-	108-67-8	2.7E+02	n	1.5E+03	ns	6.3E+01	n	2.6E+02	n	6.0E+01	n	8.7E-02	n		
3.0E-02	I	3.2E-04	I	5.0E-04	P	1	0.1					Trimethylbenzene, 1,3,5-	108-67-8	2.7E+02	n	1.5E+03	ns	6.3E+01	n	2.6E+02	n	6.0E+01	n	8.7E-02	n		
				3.0E-04	P	1	0.1					Trimethylbenzene, 2,4,4-	25167-70-8	1.2E+02	n	1.2E+04	n					3.8E+01	n	1.3E-01	n		
3.0E-02	I	3.2E-04	I	5.0E-04	P	1	0.1					Trimethylbenzene, 2,4,4-	99-35-4	2.2E+03	n	3.2E+04	n					5.9E+02	n	2.1E+00	n		
				3.0E-04	P	1	0.1					Trinitrotoluene, 2,4,6-	118-97-7	2.1E+01	c**	9.6E+01	c**					2.5E+00	c**	1.5E-02	c*		
2.0E-02	P	3.2E-04	I	2.0E-02	P	1	0.1					Tris(1,3-Dichloro-2-propyl) Phosphate	13674-84-5	6.													